INDEX

JOURNAL OF GENERAL CHEMISTRY

Volume 41, Numbers 1-12, 1971

JOURNAL OF GENERAL CHEMISTRY
Volume 41, Numbers 1-12, 1971
(A translation of Zhurnal Obshchei Khimii)

A

Abalonin, B. E. - 1049, 1052, 1513
Abidov, S. - 1038
Abkhazava, I. I. - 603
Abramov, V. S. - 96
Abramyan, Zh. I. - 969
Adamova, S. I. - 969
Afanas'eva, G. B. - 1110
Afonina, I. I. - 340
Agadzhanyan, Ts. E. - 380
Agafonova, G. A. - 1623
Aganov, A. V. - 1013, 1021, 1174, 1241
Akhmedzade, D. A. - 1709
Akhmetzhanov, I. S. - 2139
Akhumov, E. I. - 2617
Akhundov, É. A. - 1104
Akimov, V. K. - 191, 1736
Akimova, G. S. - 480
Akmanova, N. A. - 179, 2582
Aksartov, M. M. - 714
Aksenov, V. I. - 478, 806, 2214
Aladzheva, I. M. - 2358
Al'bitskaya, V. M. - 1883
Aldarova, N. Sh. - 919
Aldasheva, A. - 2233
Alekhin, N. N. - 1775
Aleksandrov, I. V. - 2137
Aleksandrov, Yu. A. - 239, 1758, 1760
Alekseev, Yu. E. - 1845
Alekseeva, T. L. - 2551
Aleskovskii, V. B. - 2562
Alieva, S. A. - 347
Alimova, M. P. - 1799
Alimov, P. I. - 1799
Andreev, D. N. - 2718
Andreev, N. A. - 1224
Andreeva, I. N. - 1657
Andreichikov, Yu. P. - 1838
Andrianov, K. A. - 353, 603, 883, 1096, 1275, 1574, 1747
Andriyankov, M. A. - 923
Andronati, S. A. - 1364
Anikeeva, A. N. - 200
Anisimov, K. N. - 1345
Anisimov, Yu. N. - 2274
Anisimova, L. A. - 976
Anorova, G. A. - 1526
Anoshina, N. P. - 1237, 1973
Antonyuk, A. S. - 1703
Aptekar', M. D. - 649
Arbuzov, B. A. - 721, 1352
Ardemasova, Z. A. - 1408
Aronovich, P. M. - 1069, 1531
Arsenin, K. I. - 195, 1857
Artamonov, B. P. - 761
Artemova, V. M. - 1135
Askerov, G. F. - 334
Askerov, M. É. - 878
Atavin, A. S. - 610, 810
Auna, Z. P. - 672, 1867, 2335
Avaeva, S. M. - 2101
Avdeenko, A. P. - 803
Avdyunina, N. I. - 1838
Averbukh, A. Ya. - 1181
Averyushkina, T. S. - 750
Avotynya, G. Ya. - 2335
Azarova, V. I. - 1797
Azimov, Z. - 1038
Azizova, Sh. A. - 84

B

Babichev, F. S. - 314
Babkina, É. I. - 1258
Babyak, A. G. - 1460
Badanova, Yu. P. - 242
Bagratishvili, G. D. - 603
Bagrov, F. V. - 2456
Balabanova, L. V. - 142
Balakhontseva, V. N. - 707
Balandina, G. N. - 428
Balashova, T. A. - 401
Bal'chenko, R. K. - 2361
Balyatinskaya, L. N. - 271, 2541
Barabadze, Sh. Sh. - 1092, 1263
Barabanov, V. P. - 1052, 1667, 2645
Barachevskii, V. A. - 2137
Baramidze, L. V. - 134
Baranetskaya, N. K. - 1345
Baranov, A. P. - 1894
Barkanova, S. V. - 2770
Baryshnikov, Yu. N. - 292
Baryshnikova, T. K. - 1313, 1537
Bashirova, L. A. - 2609
Baskakov, Yu. A. - 497
Bashkirova, S. A. - 1177
Basov, V. P. - 1191
Batalov, A. P. - 154, 292, 1145, 1740, 1743, 2545
Batina, L. A. - 559
Baturina, L. S. - 2492
Baukov, Yu. I. - 479, 1415, 2363
Bayandina, E. V. - 1175
Bebikh, G. F. - 2032
Beishekeev, Zh. - 105, 2233
Belik, G. I. - 1275
Belik, P. I. - 332
Belinkina, E. A. - 2718
Belitskaya, G. F. - 1149
Belkin, D. I. - 652
Belkina, N. V. - 652
Belokrinitskii, M. A. - 2713
Belotsvetov, A. V. - 142
Belous, A. V. - 279
Belous, G. F. - 2209
Belous, G. G. - 2339
Belousov, E. A. - 1886
Belousova, L. V. - 1106
Bel'skii, V. E. - 1799, 2434
Bel'tsova, N. N. - 2301
Belyaev, N. N. - 1888
Belyaev, Yu. P. - 1032
Belyakova, Z. V. - 2495
Berdinskii, I. S. - 2565
Beremzhanov, B. A. - 21
Berezovskii, V. M. - 175, 926, 2329
Berezovskii, V. N. - 2117
Berliner, E. M. - 343
Bernane, A. A. - 1554
Bernat, Ya. - 2341
Bespalova, Zh. D. - 205, 218, 934
Bezuglyi, V. D. - 57, 65, 507, 746, 1110, 1114
Bikbaeva, Kh. F. - 1917

Blagoveshchenskii, V. S. - 1036, 1651
Blinova, V. G. - 750
Blyumental', T. O. - 2290
Bochkarev, M. N. - 1414
Bochkareva, M. N. - 1531, 1550
Bochkov, A. F. - 2794, 2803, 2808
Bodnarchuk, N. D. - 989, 1250, 1470
Bogachev, Yu. S. - 2551
Bogatkin, R. A. - 2245
Bogatskii, A. V. - 1364, 1884, 2028
Bogdanov, N. N. - 2559
Bogdanov, V. S. - 1069, 1537, 1550, 2731
Bogdanova, V. V. - 1266
Bogolyubov, G. M. - 510, 514, 520, 817, 1320, 1714, 1717
Bogoslovskii, N. V. - 2478
Bokanov, A. I. - 526
Bokhovkin, I. M. - 966
Boldyreva, O. G. - 1550, 2731
Bondarenko, V. M. - 1032
Borichev, A. A. - 10
Borisenko, A. A. - 478, 1885, 2394, 2841
Borodin, P. M. - 1191
Borodulina-Shvets, V. I. - 2832
Bortnikov, G. N. - 596
Bortsova, É. I. - 2323
Bren', V. A. - 1838
Brevnova, T. N. - 303, 596
Brikenshtein, Kh. - M. A. - 2535
Bryzzheva, T. L. - 1807, 1812
Bubnov, Yu. N. - 2059
Budkina, T. I. - 643
Budnikov, G. K. - 643, 2158, 2164, 2167
Bugai, P. M. - 2156
Bugerenko, E. F. - 478, 806, 2211, 2214
Bukovskii, M. I. - 2701
Burkina, L. V. - 1206
Burmakina, T. V. - 1692
Burnaeva, L. A. - 1995, 2439
Burnashova, T. D. - 1763
Burtsev, V. A. - 299
Busev, A. I. - 191, 1736
Bushkov, A. Ya. - 2747
Busygina, T. A. - 1052, 1667
Butin, K. P. - 332
But'ko, Yu. D. - 835, 1073, 2067, 2279
Butova, T. D. - 1884, 2028
Buyakov, A. A. - 1596, 2249
Buzulukov, V. I. - 1893
Bychkov, V. T. - 720, 845, 1578
Bystrov, V. F. - 401

C

Chagelishvili, V. A. - 603
Chaman, E. S. - 1623
Charov, A. I. - 1414
Chauser, E. G. - 1636
Chelidze, M. V. - 2271
Chemodanova, L. A. - 1687, 2429
Cherkasov, L. N. - 944, 1565
Cherkasov, R. A. - 708, 1474, 1477, 1681
Cherkasova, K. L. - 2160
Cherkezishvili, K. I. - 2071
Chernokal'skii, B. D. - 551, 554, 559, 1049, 1052, 1166, 1294, 1297, 1510, 1513, 2036
Chernova, V. G. - 1779
Chernyak, A. Ya. - 2788
Chernyshev, A. I. - 716, 717
Chernyshev, E. A. - 117, 478, 614, 806, 850, 1177, 2211, 2214
Chernyshev, V. P. - 1626, 2592, 2596
Chernyuk, I. N. - 2575
Cheshko, F. F. - 754
Chesnokova, S. M. - 2541
Chipanina, N. N. - 620, 923, 1106
Chipens, G. I. - 459, 1864, 1867, 2133, 2335
Chirkov, N. M. - 2535
Chirkunova, S. K. - 549, 1046
Chistokletov, V. N. - 229, 868, 2671, 2676, 2682
Chizkov, O. S. - 1848
Chlenov, M. A. - 2091
Chukhadzhyan, G. A. - 969
Chuprova, A. N. - 1198
Churmaeva, V. N. - 591
Chviruk, O. V. - 18

D

Danilkina, L. P. - 941
Danilov, S. N. - 200, 2585
Danilova, A. S. - 2589
Dashunin, V. M. - 2803
Davankova, L. A. - 1633, 2818
Deev, L. E. - 2815
Degat', R. M. - 2565
Denisenko, V. P. - 916
Derkach, N. Ya. - 2836
Devyatova, G. M. - 1352
Dergunov, Yu. I. - 171, 881, 1578, 1656, 1792
Derkach, G. I. - 312, 314, 539, 997, 1001, 1470, 2405, 2407
Deryabin, V. V. - 1874
Devyatova, G. M. - 721
Dmitriev, B. A. - 2788
Dmitrieva, V. N. - 57
Dmitrievskaya, L. I. - 65, 504, 746, 1114, 2297
Dmokhovskaya, E. B. - 1753
Dodonov, A. M. - 2195
Dodonov, V. A. - 1088
Dogadina, A. V. - 1670, 2839
Doksopulo, T. P. - 603
Dolgov, O. N. - 2005
Dombrovskii, A. V. - 534, 1703, 2019, 2172
Domnina, E. S. - 620, 1106
Domrachev, G. A. - 1938
Dorfman, Ya. A. - 1931, 2142
Dorofeenko, G. N. - 715
Dorofeenko, L. P. - 591, 2046
Dorokhov, V. A. - 1550, 2529, 2731, 2736
Dorokhova, V. V. - 2691
Doroshenko, V. V. - 1653, 2180
Drabkina, A. A. - 1421
Drozdov, V. A. - 888
Druzhkov, O. N. - 1760
Dryuk, V. G. - 1767
Dumler, V. A. - 128, 581
D'yachenko, B. I. - 1096
D'yachenko, R. A. - 1096
D'yachkovskii, F. S. - 1787
D'yakonov, A. I. - 1883
D'yakonova, N. I. - 2228
D'yakov, V. M. - 1040
D'yakova, T. L. - 1040
Dymova, S. F. - 2329
Dyumaev, K. M. - 2548
Dzhagatspanyan, R. V. - 110, 1077, 1580, 2503
Dzhemilev, U. M. - 943, 1896
Dzhundubaev, K. - 105, 2233

E

Efimova, E. I. - 2463
Efimova, O. V. - 1421
Egorov, Yu. P. - 742
Egorova, L. G. - 655, 764, 1816, 1821
Egorova, V. I. - 1795
Éinisman, L. I. - 1710

Ékel', V. A. - 1921
Elepina, L. T. - 707
Elfimova, I. A. - 1224
Él'khanov, G. É. - 71
El'tsov, A. V. - 2568
Emel'yanov, V. N. - 353
Emel'yanova, I. A. - 191
Emelyanova, V. S. - 1931
Epimakhov, V. N. - 1198,1912
Epshtein, G. L. - 1228
Ermachkova, I. F. - 591
Ermakova, M. I. - 1337
Érman, M. B. - 122
Ermolaev, M. I. - 6,8,1905
Ermolaev, V. I. - 896, 1889
Ermolaeva, E. I. - 2137
Ershova, T. V. - 2697
Esafov, V. I. - 1797
Eskaraeva, L. A. - 1908
Étlis, V. S. - 2758
Evdokimov, V. F. - 632
Evstafeeva, N. E. - 1558
Evstigneeva, R. P. - 210,1117, 1391,1398,1626,1629,1899, 2319,2354,2592,2596,2778, 2782
Evtikhov, Zh. L. - 471,2456

F

Faermark, V. S. - 2309
Faizullin, I. N. - 2138
Faizullina, D. A. - 2138
Fedoseeva, A. S. - 473
Fedotov, N. S. - 131,599, 1083, 2497
Fedotova, L. A. - 279
Feschenko, N. G. - 545, 2401
Feshin, V. P. - 2237
Fetisova, T. P. - 2329
Fialkov, Yu. Ya. - 18,1191, 2372
Filippova, T. M. - 175
Filippovich, E. I. - 1626,1629, 2319, 2592, 2596
Firsova, N. L. - 1131
Flerov, Vyach. N. - 490
Fokin, A. V. - 481
Fomin, V. A. - 2758
Fominykh, M. V. - 53
Forostyan, Yu. N. - 2463
Foss, V. L. - 2484
Fridland, S. V. - 549,1046
Fridlyanskii, G. V. - 1714
Frolov, V. A. - 1362
Frolov, Yu. L. - 1106
Frolova, T. I. - 2446
Fusu, I. L. - 2763
Fuzhenkova, A. V. - 721,1352
Fyong, Nguet - 314

G

Gaidamaka, S. N. - 1879
Galatin, A. F. - 1364
Gal'chenko, G. L. - 137
Galitskova, N. P. - 838
Galiulina, R. F. - 2063
Gal'perin, Ya. V. - 1320
Gal'pern, M. G. - 2579
Gamaleya, V. F. - 997,2410
Gankin, V. Yu. - 1895
Gaponenko, V. A. - 1369
Gar, T. K. - 343,886,1596, 2237, 2249, 2271
Gareev, R. D. - 1013,1021, 1174, 1241
Garnovskii, A. D. - 347,1131, 1329, 1375, 1838, 1897, 2304
Garsia, L. K. - 1891
Gatilov, Yu. F. - 562,565,1301
Gavar, R. A. - 912
Gavrilenko, V. V. - 572,1056, 1516, 2722
Gavrilov, V. I. - 554,559
Gavrilova, G. M. - 610,810
Gazizov, M. B. - 939,2192, 2606
Gazizov, T. Kh. - 1973,2443, 2842
Gefter, E. L. - 2666
Gelashvili, E. S. - 2080
Gel'fman, M. I. - 900,2290
Genkina, G. K. - 76
Gerbert, G. P. - 588
Gerega, V. F. - 171,881,1792
Gerzhberg, Yu. I. - 35
Gigauri, R. D. - 330,1294, 1510
Giller, S. A. - 912,1925
Gilyarov, V. A. - 76,777, 2380
Ginak, A. I. - 1824
Gindin, V. A. - 2245
Ginsburg, V. A. - 2309
Gitel', P. O. - 1416
Gitis, S. S. - 2611
Gladshtein, B. M. - 2613
Gladyshev, E. N. - 1889
Glazkova, N. P. - 620
Glinskaya, O. V. - 1152
Glukhovskoi, V. S. - 1935
Glushakova, V. N. - 1758
Glushenkova, V. R. - 422, 425
Glybovskaya, V. A. - 1908
Gnedenkova, G. A. - 976
Godovikov, N. N. - 322,646, 1202, 1957, 2382
Gol'dfarb, Ya. L. - 1945
Gol'dfarb, Z. I. - 1973
Gol'din, G. S. - 2492
Gol'ding, I. R. - 830
Golechek, A. A. - 37
Golik, G. A. - 539
Golodnikov, G. V. - 941
Golovina, S. V. - 1088
Gol'tyapin, Yu. V. - 137,2053
Golub, A. M. - 13
Golubenkova, A. M. - 2230
Golubev, V. K. - 1056
Golubtsov, S. A. - 1275,1574, 2495
Goncharov, A. E. - 275
Goncharuk, V. K. - 490
Gorak, R. D. - 1222,1699,2012, 2471
Gorbatenko, Zh. K. - 545
Gorbunov, V. I. - 2823,2828
Gordienko, V. I. - 501,2553
Gorenbein, E. Ya. - 31
Gorlenko, V. A. - 380,658
Gorokhov, A. A. - 955
Gorshkova, V. N. - 1474
Goryunov, E. I. - 2697
Gracheva, A. K. - 237
Gracheva, I. N. - 1382
Grandberg, I. I. - 347
Grapov, A. F. - 1447,1452
Grebenkina, V. M. - 1417
Grebennikov, A. V. - 830
Grechanovskii, V. F. - 243
Grechkin, E. F. - 99, 2691
Gren, G. P. - 1696
Gribov, B. G. - 182,1929
Grichenko, T. V. - 624
Gridina, V. F. - 591
Grigor'eva, A. A. - 1953
Grigor'eva, L. A. - 1681
Grilikhes, M. S. - 761
Grinblat, M. P. - 475,476, 480, 2661
Grineva, L. P. - 2091
Grishchenko, A. S. - 969
Grishin, N. N. - 520,817,1714, 1717
Grishina, O. N. - 1224, 2014
Grudtsyn, Yu. D. - 2611
Gubenko, N. T. - 2041
Gul'tyai, V. P. - 1364
Gurdaliev, Kh. Kh. - 1202,1957
Gurevich, P. A. - 712

Gur'yanova, I. V. - 710, 1232, 1237, 1490, 1993, 1995, 2706
Gusakova, G. S. - 1040
Gusar', N. I. - 2128
Guseinova, M. A. - 2253, 2614
Guseinova, M. M. - 1709
Gutsulyak, B. M. - 357
Gverdtsiteli, I. M. - 134, 2071, 2080, 2271
Gvozdeva, E. A. - 1827

I

Ibragimov, V. A. - 334, 617
Ievin'sh, A. F. - 1554
Ignat'ev, A. A. - 2526
Ignat'ev, V. M. - 510
Ignat'eva, F. K. - 738
Il'ichev, I. E. - 157
Il'ina, I. G. - 624
Il'ina, L. A. - 767
Il'ina, N. A. - 2198
Il'ina, N. S. - 96
Illyuvieva, G. V. - 1195
Il'yashevich, I. I. - 655, 764
Indulen, Yu. I. - 2335
Inshakova, V. T. - 110, 1077, 1580, 2503
Ioffe, I. S. - 1801, 1807, 1812
Ioffe, N. T. - 368
Ioffe, S. T. - 2697
Ionin, B. I. - 325, 510, 1670, 2671, 2839
Ionov, L. B. - 565
Ionova, L. T. - 68
Ismagilov, R. K. - 1026, 1248
Ismagilova, N. M. - 2513
Ismailov, G. - 157
Ismailov, V. M. - 86, 89, 92, 1499, 1684
Italinskaya, T. L. - 1210, 1998
Itskova, A. L. - 2651
Ivanchev, S. S. - 230, 2274
Ivanov, E. V. - 2627
Ivanov, V. T. - 401, 412, 2341
Ivanova, E. A. - 447
Ivanova, L. I. - 2632
Ivanova, L. K. - 2205, 2710
Ivanova, L. P. - 1195
Ivanova, N. A. - 1429
Ivanova, N. L. - 2217
Ivanova, Z. G. - 1763
Ivanova, Zh. M. - 314, 2128
Ivashina, G. A. - 2369
Ivasyuk, N. V. - 1256, 2224
Ivlev, Yu. N. - 1106
Izmailov, B. A. - 1747

K

Kabachnik, M. I. - 76, 236, 322, 646, 777, 1173, 1202, 1432, 1953, 1957, 2358, 2380, 2382, 2385, 2697, 2837
Kadina, M. A. - 169
Kadyrova, V. Kh. - 1696, 2187
Kagan, E. G. - 1753, 2489
Kakurina, V. P. - 1237, 1993
Kalabin, G. A. - 610
Kalabina, A. V. - 2691
Kalacheva, T. N. - 2130
Kalenskaya, A. I. - 993, 2416
Kalibabchuk, N. N. - 2230
Kalinichenko, A. N. - 1606
Kalinin, V. N. - 830, 1309, 1521, 1732
Kalinina, L. N. - 886
Kalinina, T. V. - 2164
Kalubina, V. I. - 2130
Kamai, G. Kh. - 330, 549, 551, 554, 559, 1046, 1049, 1052, 1294, 1297, 1510, 1513, 1692, 2036, 2183, 2513, 2739
Kaminskii, A. Ya. - 2611
Kantyukova, R. G. - 1896
Kapkan, L. M. - 1135, 1349
Kaplina, R. V. - 896
Kapustyanskaya, A. M. - 606
Karabadzhak, F. I. - 166, 1179
Karaev, S. F. - 334, 617
Karaksin, Yu. N. - 1516, 2722
Karaseva, T. M. - 1747
Kardanov, N. A. - 322, 646, 2382
Karimullina, É. Kh. - 1995
Karlin, A. V. - 632, 2526
Karpova, I. V. - 883
Kashin, V. M. - 2121
Kashnikova, N. M. - 685
Kaspruk, B. I. - 1652
Kasukhin, L. F. - 40
Kas'yanov, V. V. - 1104
Kataeva, V. A. - 549, 1046
Kaurov, O. A. - 207, 672, 1422, 2815
Kavunenko, A. P. - 220, 677, 1860
Kazakova, L. V. - 2565
Kazankova, M. A. - 1891, 2122
Kazanskaya, L. V. - 175, 926
Kazantsev, A. V. - 483, 583, 713, 1063, 2047
Kazymov, A. V. - 938, 2459
Kessenikh, A. V. - 2803
Khairullin, R. S. - 1692, 2183
Khaitina, M. V. - 1423
Khalaturnik, M. V. - 2172
Khaletskii, A. M. - 630
Khananashvili, L. M. - 603
Kharlamova, A. V. - 1753, 2489
Kharrasava, F. M. - 1667
Kharrasova, F. M. - 1166
Khaskin, B. A. - 524
Khatuntsev, G. D. - 1771, 2365, 2497
Kheifets, L. Ya. - 65, 504, 507, 746, 1114, 1921, 2297
Khisametdinova, Z. Z. - 2152
Khludova, A. I. - 1210, 1998
Khmel', M. P. - 1767
Khodalev, G. F. - 588
Khokhlov, A. S. - 1385, 1611, 1618
Khokonova, T. N. - 267
Khomutov, B. I. - 731
Khorkhoyanu, L. V. - 105, 1206
Khorlin, A. Ya. - 1176
Khramtsova, N. Ya. - 1
Khrushch, N. E. - 1787
Khudyakova, L. P. - 2553
Khusainova, N. G. - 1481, 2446
Khusnutdinov, R. I. - 1917
Kireev, V. V. - 798
Kirillov, V. M. - 1886
Kirillova, K. M. - 2459
Kirpichev, P. P. - 2361
Kirpichnikov, P. A. - 1696, 2187
Kirsanov, A. V. - 306, 545, 783, 787, 791, 989, 1465, 1470, 1653, 1960, 1966, 2125, 2128, 2401, 2836
Kiryushkin, A. A. - 380, 658, 1385, 1611, 1618, 2105
Kiselev, V. G. - 148, 1537
Kiselev, V. V. - 456
Kiseleva, I. D. - 2632
Kisin, A. V. - 1596
Kislitsyna, N. M. - 1989
Klebanskii, A. L. - 475, 476, 591, 1266, 1568, 2046, 2661
Klimov, A. I. - 2301
Klimova, A. I. - 332
Klisenko, M. A. - 1125
Klochkova, T. A. - 117, 614
Klyachko, Yu. A. - 1362
Klyashchitskii, B. A. - 1391, 1899, 2782
Klygul', T. A. - 1364
Klyuchanskaya, S. M. - 2014
Klyuchnikov, N. G. - 166

Knyazev, V. N. - 888
Kocheshkov, K. A. - 1280, 1284
Kochetkov, B. B. - 719
Kochetkov, N. K. - 441, 1156, 1161, 1874, 2091, 2788, 2794, 2803, 2808
Kochetkova, M. N. - 238
Kochin, S. G. - 1375
Kochkin, D. A. - 71, 1747
Kodolov, V. I. - 474
Kogan, É. M. - 2600
Kogan, V. A. - 161, 377, 969, 1375, 1429
Koksharova, A. A. - 1066
Kolbasov, V. I. - 110, 1077, 1580, 2503
Kolesnik, A. A. - 1884, 2028
Kolesnikov, G. I. - 299
Kolesnikov, G. S. - 798
Kolesnikov, I. M. - 1187
Kolesnikova, N. A. - 1218, 1440
Kolobanova, L. P. - 497
Kolodkina, I. I. - 447
Kolodyazhnyi, O. I. - 1879
Kolodyazhnyi, Yu. V. - 347, 1131, 1329, 1426, 1838, 2304
Kolomiets, A. F. - 481
Kolotilo, M. V. - 1001
Kolyaskina, Z. N. - 514
Kolyubakina, N. S. - 1696
Komalenkova, N. G. - 117, 614, 850, 1177
Komarov, N. V. - 940, 1763, 2510
Komissarova, S. L. - 317
Komlev, I. V. - 1457, 2360, 2841
Kondratenko, N. V. - 2075
Kondratenko, V. I. - 1462, 2176, 2425
Kondratenkov, G. P. - 1191
Kondrat'eva, O. I. - 712
Kondukova, T. V. - 1117
Kononenko, I. M. - 2836
Kononenko, L. V. - 57
Konotopova, S. P. - 229
Konovalova, I. V. - 2439
Konstantinova, N. V. - 497
Kopa, M. V. - 13
Kopaladze, R. A. - 49
Kopranenkov, V. N. - 2366
Kopylova, L. I. - 2120
Korataeva, I. M. - 810
Koren', N. A. - 2164
Korenevskii, V. A. - 2803
Korenman, I. M. - 955
Kormachev, V. V. - 643, 2164
Korneeva, A. N. - 24, 27
Kornilov, V. I. - 202
Kornilova, Yu. I. - 35
Kornoukhova, M. V. - 1215, 2024
Kornuta, P. P. - 993, 2416
Korobov, M. S. - 2761
Korolev, B. A. - 76, 777, 2548
Koroteev, M. P. - 2390
Korotkova, V. P. - 319
Korolev, B. A. - 722
Korshunov, I. A. - 2545
Korsuntseva, L. I. - 1629
Koshutin, V. I. - 855
Kosinskaya, I. M. - 101, 2422
Kosova, L. M. - 2014
Kosovtsev, V. V. - 868, 2671, 2676, 2682
Kostetskii, P. V. - 410, 412
Kostikin, L. I. - 1416
Kostin, É. S. - 1935
Kostromina, N. A. - 929
Kostyuk, A. S. - 479, 2363
Kotlyar, N. G. - 2413
Kotok, L. A. - 1110
Kotovich, B. P. - 1218, 1440
Kovach, T. D. - 2648
Kovalenko, L. N. - 1404
Kovalyukh, N. N. - 1960, 1966
Kovbuz, M. A. - 230
Kovshev, E. I. - 942
Kovtun, V. Yu. - 777
Kovtunenko, L. V. - 1935
Kovyrzina, V. P. - 562, 1301
Kozhakhmetova, R. I. - 2233
Kozhevnikova, I. V. - 2105
Kozhin, S. A. - 698, 1176
Kozhukhovskaya, V. M. - 1398
Kozhushko, B. N. - 2180
Kozitsyna, T. N. - 2158, 2167
Kozlikov, V. L. - 1083, 2497
Kozlov, V. A. - 838
Kozlov, V. V. - 908, 1122
Kozlova, L. N. - 1411
Kozlova, S. P. - 2782
Koz'mina, O. P. - 1324
Kozyukov, V. P. - 2497
Krainova, B. L. - 1623
Kralichkina, M. G. - 1301
Krasil'nikova, E. A. - 1175, 1502, 1506, 2429
Krasnobrizhii, I. Ya. - 663
Krasnorbrizhii, N. Ya. - 43, 432
Krasnov, Yu. N. - 2063
Krepysheva, N. E. - 2474
Kreshkov, A. P. - 271, 888, 919, 2541
Krivenko, V. I. - 948
Krivosheeva, N. G. - 1767
Krizhanskii, L. M. - 2263
Kruglaya, O. A. - 1415
Kruglyak, Yu. L. - 2361, 2362
Krumgal'z, B. S. - 35, 1661
Krupatkin, I. L. - 2151
Krylova, T. P. - 2002
Krylova, V. N. - 2782
Kublashvili, R. I. - 2071
Kucher, A. G. - 2492
Kucherova, M. N. - 1462
Kudryashov, L. I. - 441, 2091, 2323
Kuimova, M. E. - 1721
Kukhar', V. P. - 989, 1465, 2128, 2413, 2701
Kukhta, E. P. - 2463
Kulibaba, N. K. - 2125
Kuliev, A. B. - 2235, 2716
Kuliev, A. M. - 2235, 2716
Kulikov, Yu. M. - 1122
Kulish, M. A. - 1117, 2778
Kulyulin, I. P. - 2613
Kumok, V. N. - 1795, 2517
Kupin, B. S. - 944
Kuprik, A. V. - 1
Kuramshin, I. Ya. - 1008, 1676, 1984
Kuratova, T. S. - 2369
Kurbatov, V. P. - 1897, 2761
Kurchenko, T. V. - 2541
Kurdanov, Kh. A. - 1845
Kurdyumova, K. N. - 685
Kurgane, B. V. - 1925
Kurguzova, A. M. - 1981
Kurkovskaya, L. N. - 1833
Kurlyankina, V. I. - 1324
Kursanov, D. N. - 188, 368, 1345
Kushchenko, V. V. - 10, 963
Kustanovich, I. M. - 175, 2329
Kutulya, L. A. - 363, 903
Kuznetsov, E. V. - 317, 2138
Kuznetsova, L. D. - 481
Kuznetsova, L. I. - 1375, 1838
Kuznetsova, M. A. - 2510
Kuznetsova, V. A. - 1609
Kvasov, A. A. - 292, 2545
Kvasov, B. A. - 1732, 2727

L

Labunskii, I. P. - 233
Lagert, I. K. - 1404
Lagidze, D. R. - 49
Lagidze, R. M. - 49
Lamakina, V. I. - 1215
Landau, M. A. - 2362
Lapin, A. A. - 710

Lapkin, I. I. - 128, 581, 1272, 1278, 1558, 2478
Larionov, S. V. - 767
Larionova, Yu. A. - 1266
Latosh, N. I. - 1337
Latyaeva, V. N. - 1560, 2752
Latysheva, V. A. - 1657, 1901
Lavrinovich, L. I. - 2529
Lavrushin, V. F. - 636, 903
Lazukina, L. A. - 2413
Lebedev, O. L. - 2770
Lebedev, S. A. - 122
Lebedev, V. N. - 824, 2727
Lebedeva, N. V. - 1452
Leibovskaya, G. A. - 2362
Leont'eva, L. I. - 218, 934
Levchenko, G. V. - 6, 8
Levenshtein, I. B. - 551, 2036
Levina, R. Ya. - 1608
Levitin, I. Ya. - 188
Liepin'sh, É. É. - 1591
Likhterov, V. R. - 2758
Lineva, A. N. - 1560, 2752
Liorber, B. G. - 1970, 2126, 2189
Lipatova, I. P. - 2086
Litovchenko, L. E. - 1063
Litovchenko, N. R. - 1252
Litvin, Yu. A. - 1935
Litvinenko, L. M. - 2282, 2648
Litvinov, L. V. - 963
Litvinov, V. P. - 1945
Lizogub, A. V. - 2568
Lobanov, D. I. - 2837
Loginova, N. F. - 2615
Lokhov, R. E. - 2548
Lomakina, V. I. - 2024
Lopatin, B. V. - 2731
Losev, V. B. - 166, 1179
Loshakov, G. A. - 948
Lotov, R. A. - 1156
Lubyanitskii, I. Ya. - 2636
Luchinskaya, M. G. - 437
Lugovkin, B. P. - 821, 2099
Lukevits, É. - 1591, 2243
Luk'yanets, E. A. - 942, 2366, 2579, 2770
Luk'yanova, I. A. - 599
Lunts, V. Ya. - 2589
Lutsenko, I. F. - 122, 479, 838, 1891, 2122, 2134, 2363, 2484, 2655
Lutskii, A. E. - 279, 287, 1139
Luzgina, V. N. - 2319
L'vov, A. I. - 1892
L'vova, F. P. - 337
L'vova, S. D. - 210, 1398
Lysenko, G. I. - 1
Lysenko, Yu. A. - 1135, 1349
Lyutik', A. I. - 2782

M

Maier, N. A. - 835, 1073, 2067, 2279
Maikova, A. I. - 939
Maiorova, L. P. - 1414
Mairanovskii, V. G. - 2615
Makhaev, V. D. - 2744
Maksimova, L. S. - 185
Malakhova, I. G. - 2837
Maleeva, A. I. - 2256
Maleeva, N. T. - 243, 2648
Malevannaya, R. A. - 1432, 2385
Malinovskii, M. S. - 1767
Mal'kov, V. D. - 1305
Mal'nova, G. N. - 875
Malovik, V. V. - 1470
Mal'tsev, A. K. - 1894
Malykhina, I. G. - 2122
Mamedov, F. A. - 2253
Mamikhina, T. P. - 624
Mamina, F. A. - 985
Mamonov, V. I. - 1411, 2350
Mamontova, E. P. - 234
Mamonov, V. I. - 2687
Mandel'baum, Ya. A. - 1215, 2024, 2651
Mandzhikov, V. F. - 2137
Manulkin, Z. M. - 871
Marchenko, A. P. - 1960
Markelova, E. A. - 1611
Markovich, A. V. - 1404
Marmur, L. Z. - 2005
Martynov, A. A. - 2842
Martynov, I. V. - 2361, 2362
Martynov, V. F. - 207, 672, 1417, 1422, 2589
Martynovskaya, L. N. - 137
Martynyuk, A. P. - 787
Masal'skaya, 2617
Mashlyakovskii, L. N. - 325
Mashoshina, S. N. - 2134, 2655
Maslennikov, V. P. - 482, 588, 1305, 1893
Maslin, D. N. - 572
Mastryukova, T. A. - 236, 1953, 2358
Matkovskii, Kh.-M. A. - 2535
Matrosov, E. I. - 777
Matskevich, T. N. - 649
Matyusha, A. G. - 1001, 2407
Mazepa, I. K. - 2401
Mazheika, I. B. - 1640
Medvedev, A. N. - 2309
Medvedeva, M. D. - 771, 1486
Medvedeva, V. I. - 1349
Medvedovskii, A. A. - 2372
Medyntsev, V. V. - 731
Melent'eva, T. A. - 175, 926
Mel'nik, Ya. I. - 2136
Mel'nikov, N. N. - 80, 84, 524, 750, 1210, 1443, 1447, 1452, 1710, 1998, 2002
Mel'nikov, V. Z. - 2329
Mel'nikova, L. M. - 2117
Mel'nikova, V. I. - 1643
Mezheritskaya, L. V. - 715
Miftakhova, A. Kh. - 1232, 2706
Mikaelyan, R. G. - 1894
Mikhailik, S. K. - 2410
Mikhailov, B. M. - 148, 1069, 1313, 1531, 1537, 1544, 1550, 1721, 1728, 2059, 2529, 2610, 2731, 2736
Mikhailov, V. A. - 2158, 2167
Mikhailov, Yu. D. - 1422
Mikhailova, O. B. - 1447
Mikhailyants, S. A. - 2237
Mikhailyuchenko, N. I. - 312
Mikhailyuchenko, N. K. - 2407
Mikhailyuk, Yu. I. - 501, 2553
Mikhalenko, S. A. - 942, 2770
Mileshkevich, V. P. - 632, 2526
Minaev, V. E. - 663
Minchenko, S. P. - 1664
Mindel', M. S. - 835, 1073
Mingaleva, K. S. - 868, 2267, 2456
Miniker, T. D. - 685
Minkin, V. I. - 347, 1838, 2747, 2761
Minkina, L. S. - 1897, 2761
Mironov, A. F. - 1117, 2354, 2778
Mironov, D. P. - 247
Mironov, V. F. - 131, 343, 599, 886, 1083, 1596, 1771, 2237, 2249, 2271, 2365, 2497
Mirskov, R. G. - 1779
Miryan, N. I. - 1149
Mishchenko, K. P. - 10, 250, 485, 963, 1661, 2617, 2620
Mishin, G. P. - 2367
Mishina, L. V. - 353
Mitin, Yu. V. - 419, 1152
Mitina, G. K. - 1375
Mittsel', Yu. A. - 1736
Mizrakh, L. I. - 1411, 2687
Mndzhoyan, A. L. - 936

Mochalin, V. B. - 1871
Mochalov, K. I. - 258, 2147, 2645
Moisak, L. I. - 1297
Moiseeva, N. P. - 951
Molyavko, L. I. - 306, 312, 1412, 2405, 2407
Morkovin, N. V. - 2839
Morozov, N. G. - 1275, 1574
Morozov, V. B. - 672
Morozova, É. N. - 214, 220, 1860
Morozova, N. I. - 6, 8, 1905
Mosin, A. M. - 117
Moskva, N. A. - 1502, 1506, 2429
Moskva, V. V. - 86, 89, 92, 939, 1494, 1497, 1499, 1684, 1687, 1882, 2609
Motsarev, G. V. - 110, 1077, 1580, 2503
Muizhnieks, V. É. - 2133
Mukhacheva, O. A. - 1880
Mukhametova, D.Ya. - 2582
Mukhametzyanova, É. Kh. - 2228
Mukhin, N. N. - 2562
Mukmeneva, N. A. - 1696
Mukmenov, É. T. - 2187
Muratova, A. A. - 771, 1008, 1486, 1676, 1984, 2608
Murav'ev, I. V. - 2209
Muravich-Aleksandr, Kh. L. - 2568
Murza, M. M. - 179
Mushkin, Yu. I. - 171, 881
Musina, A. A. - 2608

N

Nabieva, D. I. - 2138
Nakhutin, I. E. - 948
Naletova, G. P. - 37
Nametkin, N. S. - 1775
Nasonovskii, I. S. - 1885, 2394
Natochin, Yu. V. - 207
Naumenko, N. K. - 2562
Naumov, A. D. - 1069, 2803
Nazvanova, G. F. -1494, 1497, 1687
Nechaev, Yu. D. - 1670
Nedoshivina, M. B. - 482
Nefedov, O. M. - 1894
Neklyudov, A. D. - 1633, 2818
Nesmeyanov, A. N. - 2041
Nesterenko, Yu. A. - 2139
Nesterov, L. V. - 2474
Nezavibat'ko, V. N. - 2132
Nifant'ev, É. E. - 474, 707, 1457, 1651, 1885, 2032, 2124, 2217, 2220, 2360, 2390, 2394, 2398, 2841
Nikishin, G. I. - 1286
Nikitenkova, L. P. - 1940
Nikolaev, A. F. - 1032, 1609
Nikolaev, G. A. - 632
Nikolaeva, N. A. - 148, 1728
Nikolaeva, V. G. - 1880
Nikolenko, L. N. - 452, 2132
Nivorozhkin, L. E. - 2761
Nogaideli, A. I. - 1092, 1263
Nonishnev, E. P. - 474
Norden, N. É. - 591
Novichkova, A. S. - 1278
Novikov, Yu. N. - 241
Novikova, N. A. - 185
Novikova, Z. S. - 838, 2134, 2655
Novitskaya, N. N. - 1896
Novoselov, N. P. - 250, 485
Nud'ga, L. A. - 2585
Nurakhmetov, N. N. - 21
Nurieva, T. Z. - 2716
Nurtdinov, S. Kh. - 1692, 2183, 2513

O

Obruchnikov, I. V. - 2803
Odabashyan, G. V. - 2480
Odinets, V. A. - 883
Odoeva, G. A. - 1228
Ogibin, Yu. N. - 1286
Ogorodnikova, N. A. - 568
Okhrimenko, I. S. - 325
Okulevich, P. O. - 798
Ol'dekop, Yu. A. - 835, 1073, 2067, 2279
Olekhnovich, L. P. - 2761
Onishchenko, P. P. - 1601
Orlov, N. F. - 2713
Orlov, V. V. - 1179
Osipov, O. A. - 161, 347, 377, 969, 1131, 1329, 1375, 1426, 1429, 1838, 1897, 2304, 2761
Osipova, L. F. - 1416
Ostanina, L. P. - 2192, 2606
Ostrovskaya, A. V. - 1418
Ovchinnikov, V. V. - 1681
Ovchinnikov, Yu. A. - 380, 401, 412, 658, 2105, 2341
Ovchinnikova, R. A. - 980
Ozolin', S. A. - 1945

P

Pakhomova, D. V. - 2517
Panidi, I. S. - 2376
Pankratova, V. N. - 2063
Panov, E. M. - 1280, 1284
Panova, G. V. - 467, 688, 694
Pashchenko, L. E. - 2480
Pashinkin, A. P. - 1973, 2443, 2842
Pashkevich, K. I. - 1110
Pashkurov, N. G. - 2086, 2466
Paushkin, Ya. M. - 2376
Pavar, A. P. - 459, 1867, 2335
Pavlenko, V. A. - 1714
Pavlov, V. E. - 1191
Pavlov, V. M. - 2559
Pavlycheva, A. V. - 171
Pechurina, S. Ya. - 122
Pen'kovskii, V. V. - 742
Perel', Ya. I. - 2139
Perveev, F. Ya. - 340
Pestunovich, A. E. - 1591, 2243
Pestunovich, V. A. - 1591, 2005
Petrenko, O. E. - 2766
Petrosyan, V. S. - 2744
Petrov, A. A. - 228, 229, 471, 472, 520, 719, 817, 855, 862, 868, 1289, 1584, 1655, 1670, 1714, 1717, 2256, 2263, 2267, 2453, 2456, 2676, 2682, 2839
Petrov, B. I. - 258, 1415, 2147
Petrov, É. S. - 1173
Petrov, K. A. - 105, 319, 1206
Petrov, S. M. - 2774
Petrova, L. A. - 2301
Petrovskii, P. V. - 2697
Petukhov, G. G. - 896, 1066
Petukhova, A. S. - 2211
Pilyugin, G. T. - 2575, 2766, 2774
Pimenova, V. V. - 1391
Pinchuk, A. M. - 101, 2422
Piskunov, I. N. - 1195
Pitina, M. R. - 1028
Pivnenko, N. S. - 903
Pivnitskii, K. K. - 1643
Plekhov, V. P. - 2608
Pleskonos, A. M. - 973
Pletnev, V. Z. - 412
Plisko, E. A. - 2585
Plotnikov, V. F. - 510, 514, 1320

Podchainova, V. N. - 764
Poddubnaya, N. A. - 43,428, 432, 663
Podzhumas, G. A. - 2220
Pokhodenko, V. D. - 40,2230
Pokrovskii, E. I. - 1040,2005
Polis, Ya. Yu. - 1640
Poltoratskii, G. M. - 2617,2620
Pomerantseva, M. G. - 2495
Ponomarchuk, M. P. - 40
Ponomarenko, V. A. - 169
Ponomarev, A. I. - 1266,1568
Ponomarev, S. V. - 122
Ponosova, É. S. - 128
Popel, Yu. I. - 2005
Popernatskii, O. A. - 207
Popov, E. M. - 412
Popov, I. I. - 347
Popov, V. I. - 2075
Popov, Yu. P. - 2360
Popova, G. S. - 1609
Portnova, S. L. - 401,412
Postovskii, I. Ya. - 1110
Potapov, V. K. - 238
Povarnitsyna, T. N. - 1272
Povarov, L. S. - 1544
Poznanskaya, N. L. - 750
Poznyak, M. G. - 237
Predvoditelev, D. A. - 2220, 2841
Preobrazhenskii, N. A. - 437, 1391
Prezhdo, V. V. - 279,287
Priven, Ya. A. - 1
Prokof'ev, E. P. - 2803
Prokof'eva, A. F. - 1443, 1710
Prokof'eva, G. N. - 2641
Prokopyuk, T. N. - 422
Prons, V. N. - 475, 476, 2661
Protopopova, G. D. - 2142
Protsenko, L. D. - 1250,1949, 2704
Protsenko, P. I. - 267
Przhiyalgovskaya, N. M. - 504, 1114, 1921
Pudovik, A. N. - 708,710,771, 1008,1013,1021,1174,1232, 1237,1241,1474,1477,1481, 1486,1490,1676,1681,1973, 1978,1981,1984,1989,1993, 1995,2202,2205,2434,2439, 2443,2446,2608,2706,2710, 2842
Pudovik, M. A. - 2202, 2205, 2434, 2710
Pukhnarevich, V. B. - 1890, 2120
Pukhova, N. I. - 900
Putilova, L. V. - 1210
Pyaivinen, É. A. - 214, 2096

R

Rachkova, O. F. - 303, 596
Radchenko, S. I. - 944
Rad'kova, O. M. - 1574
Raevskaya, O. E. - 1013,1232, 1481
Ragimova, Sh. A. - 2235,2716
Raifel'd, Yu. E. - 1096
Raigorodskii, I. M. - 798
Rakhimova, L. G. - 1490
Raksha, M. A. - 319
Rall', K. B. - 1289,1320
Ramakaeva, R. F. - 1921
Ranneva, Yu. I. - 1827
Ratovskii, G. V. - 2691
Ratushnaya, S. Kh. - 596
Razumov, A.I. - 86,89,92,712, 939, 1026, 1175, 1248, 1494, 1497, 1499, 1502, 1506, 1684, 1687, 1880, 1882, 1970, 2126, 2189, 2192, 2429, 2606, 2609
Razumova, L. G. - 941
Razumova, N. A. - 228,471, 472, 520, 2450, 2453, 2456
Razumovskii, V. V. - 900,2290
Razuvaev, G. A. - 720,1560, 1889, 2752, 2758
Razvodovskaya, L. V. - 1447, 1452
Reikhman, G. O. - 912
Reishakhrit, L. S. - 68,980
Rekhter, M. A. - 1161
Reutov, O. A. - 2744
Reznik, V. S. - 2086, 2466
Riskal', S. A. - 2596
Rodionov, E. S. - 1771, 2365
Rodnyanskaya, É. R. - 1883
Rogacheva, I. A. - 2666
Rogozev, B. I. - 2263, 2267
Romankevich, M. Ya. - 951
Romanko, P. D. - 357
Romanov, G. V. - 710,1490
Romanova, G. N. - 2474
Romanovskaya, I. K. - 1864
Romanovskii, P. Ya. - 2133
Romashkin, I. V. - 2480
Rostokin, G. A. - 1740,1743, 2545
Rostovtseva, L. I. - 1385,1611, 1618
Rozanel'skaya, N. A. - 57
Rozenberg, M. É. - 1609
Rozenberg, V. R. - 1077,2503
Rozhentsova, E. P. - 2151
Rozkin, M. Ya. - 652
Rozynov, B. V. - 380,658, 1117, 2778
Rubashevskaya, V. - 2358
Rudakova, I. P. - 2832
Rudavskii, V. P. - 1462,2176, 2425, 2704
Rudi, V. P. - 916
Rukhadze, E. G. - 157,363, 624, 1369
Rumyantseva, V. D. - 1117
Rumyantseva, V. P. - 182,1929
Rusakov, E. A. - 1801
Rusalkina, A. M. - 2606
Rusanova, V. V. - 200
Rusina, M. N. - 1341
Russiyan, L. N. - 2535
Russo, A. G. - 226
Rybin, L. V. - 2041
Rybinskaya, M. I. - 2041
Ryzhova, L. I. - 71
Rzaeva, S. A. - 878,2253, 2614

S

Sabirova, R. A. - 2474
Sadekov, I. D. - 2747
Sadilkina, V. Yu. - 2815
Sadovnikova, M. S. - 1899
Sagalovich, V. P. - 1122
Saikin, G. O. - 2376
Sakharov, A. P. - 2145
Sakharova, T. B. - 236
Sakhashchik, L. V. - 1897
Sakodynskaya, T. P. - 2032
Sakovets, O. P. - 599
Salakatova, L. S. - 2535
Salakhutdinov, R.A. - 1049, 1502, 1513, 1692, 1970, 2189, 2192, 2513
Salimov, M. A. - 624
Saltykova, L. I. - 2362
Samarai, L. I. - 1879
Samartseva, S. A. - 2086
Samoilova, G. E. - 2137
Samoilova, N. A. - 437
Samokhvalov, G. I. - 1382,1848
Samotsvetov, A. R. - 1935
Sapozhnikova, T.A. - 2655
Sarana, N. V. - 1324
Sasnauskene, S. I. - 2129
Savel'ev, P. M. - 1181
Savel'eva, N. I. - 479,1474, 1681, 2363

Savelova, V. A. - 2282, 2648
Savich, I. A. - 649
Savicheva, G. A. - 1970, 2189
Savitskii, A. V. - 1317
Sayakhutdinova, R. Kh. - 1195
Sayapina, L. M. - 2747
Sazonova, Z. Ya. - 1882
Schastlivtseva, N. V. - 37
Semenenko, N. M. - 2484
Semenii, V. Ya. - 989, 1465
Semenov, B. K. - 966
Semenov, V. A. - 53, 985
Semenova, M. N. - 2132
Semikina, L. E. - 2636
Semion, V. A. - 241
Senetskaya, L. P. - 919
Serebrennikov, V. V. - 2517
Serebrennikova, É. V. - 940, 1763
Serebryakova, N. V. - 655, 764, 1816, 1821
Serebryanskaya, A. I. - 1357
Sergeev, G. B. - 663
Sergeev, V. P. - 2565
Sergeeva, E. P. - 1753
Sergeeva, V. F. - 263, 1908
Setkina, V. N. - 1345
Sevast'yanova, I. V. - 1568
Shabarov, Yu. S. - 1606
Shabarova, Z. A. - 238
Shafranskii, V. N. - 2763
Shagiakhmetov, É. M. - 2138
Shakhmatova, E. I. - 207
Shakhova, M. K. - 1848
Shakirova, M. A. - 1232
Shal'nova, K. G. - 1938
Shamshin, L. N. - 850
Shamshin, V. P. - 530
Shapet'ko, N. N. - 1833, 2551
Shapiro, I. O. - 1945
Shapkina, L. M. - 1912
Shapoval' G. S. - 742
Sharpatyi, V. A. - 2323
Shatalov, V. P. - 1935
Shatenshtein, A. I. - 1173, 1357, 1827, 1833, 1945, 2314
Shat-skaya, V. A. - 2282
Shchelkina, E. P. - 2459
Shchepinov, S. A. - 117, 614, 850
Shcherbak, S. N. - 161, 377
Shcherbakov, V. I. - 1100, 2063
Shchukina, L. A. - 1633, 2818, 2823, 2828
Shchukovskaya, L. L. - 606
Sheina, G. G. - 1139
Sheinker, Yu. N. - 2075
Sheka, I. A. - 195, 1857
Shelest, V. V. - 2575
Sheludyakov, V. D. - 1771, 2365, 2497
Shelvchuk, M. I. - 534
Shemuranova, M. N. - 1570
Shergina, I. V. - 708, 1477, 1681
Shergina, N. I. - 620, 923, 1106, 2510
Shermergorn, I. M. - 1256, 2224, 2228
Shestakov, E. E. - 2243
Shevchenko, V. I. - 101, 993, 1252, 2125, 2416, 2422
Shevchuk, M. I. - 1703, 2019, 2172
Shevelev, V. A. - 234
Shikhiev, I. A. - 334, 617, 878, 1104, 2253, 2614
Shikhova, I. A. - 1337
Shilin, V. V. - 2341
Shilov, I. V. - 2124, 2398
Shimanskaya, N. P. - 1110
Shindler, Yu. M. - 2142
Shinkarenko, N. V. - 2562
Shiraliev, V. M. - 1104
Shirokii, G. A. - 1812
Shklover, L. P. - 185
Shkodinskaya, E. N. - 685
Shkorbatova, T. L. - 71
Shmidt, E. - 319
Shnaiderman, S. Ya. - 973, 2641
Shner, V. F. - 530
Shokol, V. A. - 306, 312, 539, 1412, 2180, 2405, 2407, 2410
Shorygin, P. P. - 2731
Shostakovskii, M. F. - 610
Shostenko, A. G. - 2195
Shtatnova, G. V. - 1506
Shtyleva, Yu. A. - 2354
Shung, Lȳu dyk - 202
Shuravlev, E. Z. - 1792
Shurdumov, G. K. - 267
Shushunov, V. A. - 482, 588, 1305
Shustov, L. D. - 452
Shvachkin, Yu. P. - 237, 2367
Shvaika, T. N. - 754
Shvarts, E. M. - 1554
Shvets, V. I. - 1391, 1899, 2782
Shvetsov-Shilovskii, N.I. - 750, 1028, 1210, 1998
Shvetsova-Shilovskaya, K.D. - 80
Sidorenko, V. I. - 501
Simonov, A. M. - 347, 1838
Simonov, V. D. - 53, 985
Sinyavskii, V. G. - 951
Sivenkov, É. S. - 862, 1584, 2263, 2267
Skachilova, S. Ya. - 1317
Sklyankina, V. A. - 2101
Sklyarskii, L. S. - 1651
Skorobogatov, V. A. - 1419
Skul'skaya, N. Ya. - 1250, 1949
Skvortsova, G. G. - 620, 923, 1106
Skvortsov, N. K. - 2839
Sladkov, A. M. - 830
Slavgorodskaya, M. V. - 919
Slyn'ko, V. P. - 2156
Slyusarenko, E. I. - 997, 2410
Smetankina, N. P. - 1149
Smimov, V. M. - 1419
Smirnova, G. G. - 2189
Smirnova, G. S. - 2718
Smirnova, M. P. - 2815
Smirnova, N. M. - 948
Smirnova, V. G. - 908
Smolina, Z. I. - 1871
Smolyaninov, V. V. - 945, 2629
Smolyanitskaya, V. V. - 2309
Snegova, A. D. - 110, 1077, 2503
Snyakin, A. P. - 1309, 1521, 1732
Snyatkova, V. I. - 2808
Soborovskii, L. Z. - 2613
Sochilin, E. G. - 1228, 1824
Sokal'skaya, L. I. - 477
Sokolinskaya, T. A. - 2376
Sokolov, M. P. - 1970, 2126, 2189
Sokolov, N. M. - 959, 1423, 1664
Sokolovskaya, T. A. - 2794
Sokol'skii, D. V. - 1931, 2142
Sokol'skii, G. A. - 2559
Sokurenko, A. M. - 1651
Solodov, V. V. - 1905
Solodushenkov, S. N. - 2413, 2701
Sologubovskaya, I. N. - 210
Solov'eva, T. P. - 875
Soroka, I. I. - 2463
Sorokin, Yu. A. - 1889
Sorokina, S. F. - 2841
Sosonkin, I. M. - 2611
Spiridonova, N. N. - 2752
Spivak, L. L. - 1953
Stabrovskaya, L. A. - 1013, 1174, 1241

Stadnichuk, M. D. - 719,855, 1888
Stadniichuk, R. F. - 2766
Stal'nova, M. I. - 894
Stanko, V. I. - 137,332,1526, 2053
Starchik, L. P. - 2376
Stennikova, M. F. - 2620
Stepanov, B. I. - 57,526
Stepanova, N. N. - 1568
Stepovik, L. P. - 1088,2521
Stadyn', Ya. P. - 912, 1925
Strelets, V. N. - 1655
Strepikheev, Yu. A. - 1940
Strizhov, N. K. - 299
Struchkov, Yu. T. - 241
Studnev, Yu. N. - 481
Stukalo, E. A. - 1653
Stukalo, V. A. - 2180
Subbotin, V. A. - 2611
Subocheva, T. Yu. - 1272
Sudakov, T. M. - 1978
Sukhareva, L. A. - 1747
Sukharevich, V. P. - 677
Sukhorukova, N. A. - 2691
Suleimanova, M. G. - 1960, 1966
Sultanova, D. B. - 939, 2192, 2606
Sumskaya, É. B. - 938, 2459
Supin, G. S. - 497, 750
Surov, Yu. N.- 636, 903
Surpina, L. V. - 1426, 2304
Sushchinskaya, S. P. - 1890, 2120
Suvorov, N. N. - 530, 1633, 2818
Suvorova, K. M. - 2627
Sverdlova, O. V. - 2245
Svergun, V. I. - 526,1411, 2350, 2687
Svetkin, Yu. V. - 179, 1917, 2582
Sychkova, L. D. - 1606
Syrova, G. P. - 2075
Sysoev, V. A. - 2600
Syutkina, O. P. - 1280, 1284

T

Tabashidze, N. I. - 1263
Tabashidze, T. I. - 1092
Talyzenkova, G. P. - 363, 1369
Tambieva, O. A. - 428
Tarabarina, A. P. - 894,1570
Tarasova, R. I. - 1989
Tarasyants, R. R. - 131,599
Tarunin, B. I. - 239
Tatarenko, A. N. - 871
Tataurov, G. P. - 1753,2815
Temkina, V. Ya. - 929,1341
Tenenboim, N. F. - 1558
Teodorovich, R. E. - 230
Teplov, N. E. - 1202
Terent'ev, A. P. - 157,363, 467, 624, 688, 694, 1362, 1369
Terent'eva, S. A. - 2202, 2434
Tereshchenko, G. F. - 2839
Tereshkevich, M. O. - 1
Ter-Sarkisyan, G. S. - 148, 1728
Tertov, B. A. - 1601
Teternikov, L. I. - 1726
Tikhomirova, G. P. - 2339
Tikhomirova-Sidorova, N. S. - 214, 220, 677, 1860, 2096, 2130, 2600
Tikhonina, N. A. - 2380
Tikhonova, L. I. - 2632
Timofeeva, T. N. - 2671
Timofeeva, Z. N. - 2568
Timokhin, B. V. - 99, 2691
Timoshina, T. V. - 1481
Titov, E. A. - 803
Titov, M. I. - 934,1408
Titkova, E. G. - 698, 1176
Titov, M. I. - 218
Titova, S. P. - 722
Tkeshelashvili, R. Sh. - 1263
Todres, Z. V. - 188, 368
Toktobekova, T. - 2233
Tolochko, A. F. - 534
Tolpygina, T. A. - 230
Tolstikov, G. A. - 943, 1896
Tolstikov, V. P. - 296, 2624
Tomchin, A. B. - 1801, 1807, 1812
Tomilov, A. P. - 2309
Toptygina, O. V.- 467,688,694
Torgasheva, N. A. - 524
Toropova, V. F. - 976,1232, 1474, 1681, 2706
Torosyan, Zh. K. - 2329
Trailina, E. P. - 649
Tran'kova, N. A. - 99
Tran'kova, N. A. - 99
Travkin, N. N. - 182, 1929
Travushkina, L. F. - 630
Troenko, V. I. - 353
Trofimchuk, A. K. - 31
Trofimov, B. A. - 610,810, 1890, 2120
Troitskaya, A. D. - 712
Tronov, A. B. - 275
Tronov, B. V. - 275
Trubnikova, O. I. - 2492
Truteneva, E. P. - 2198
Tsarevskaya, M. N. - 2293
Tsentovskii, V. M. - 1052, 1667, 2645
Tsetlin, V. I. - 401
Tsikaridze, N. V. - 134
Tsindrik, N. M. - 959
Tsintsadze, G. V. - 13
Tsirul'nikova, N. V. - 929, 1341
Tsivunin, V. S. - 1166,1692, 2183, 2513
Tsizin, Yu. S. - 1421
Tsukerman, S. V. - 636, 903
Tsveniashvili, V. Sh. - 49
Tsvetkov, E. N. - 1173,1432, 2385, 2837
Tsvetkova, G. A. - 2301
Tsvetkova, L. V. - 1661
Tsykhanskaya, I. I. - 1413
Tsyryapkin, V. A. - 368
Tukhar', A. A. - 791
Tumane, I. K. - 1925
Tumasheva, N. A. - 2645
Turkevich, V. V. - 1701
Tursunbaev, T. L. - 871
Tur'yan, Ya. I. - 738
Tuzhikova, M. V. - 363
Tyrina, S. M. - 923
Tyurenkova, G. N. - 655,764, 1816, 1821
Tyurin, Yu. M. - 490

U

Udre, V. É. - 2314
Ufimtsev, V. N. - 722
Uglova, É. V. - 2744
Ugulava, M. M. - 330,1294, 1510
Unkovskii, B. V. - 1871
Urzhuntseva, E. K. - 1953
Usacheva, G. M. - 2739
Ushenko, I. K. - 2575
Usmanova, I. Z. - 1908
Usov, A. I. - 1156,1161,1874
Ustyuzhanin, G. E. - 234, 2130, 2600
Uzlova, L. A. - 1401,1853

V

Vakhrushev, L. P. - 940
Valashek, I. E. - 1848

Valenchuk, M. I. - 1
Valetdinov, R. K. - 317
Varyukhin, V. A. - 1938
Vasil'eva, G. A. - 2354
Vasil'eva, L. N. - 916
Vasil'eva, T. V. - 1096
Vas'kiv, A. P. - 1701
Vasserman, A. L. - 715
Vasyanina, L. K. - 2551
Vasyanina, M. A. - 1973
Vatamanyuk, N. M. - 1701
Vdovin, V. M. - 1775
Vdovina, R. G. - 237
Vedmedskaya, A. N. - 1135
Veinberg, A. Ya. - 1382
Vekshtein, M. Sh. - 1125
Veksler, V. I. - 1404
Verenikina, S. G. - 1636
Vereshchinskii, I. V. - 1258
Verizhnikov, L. V. - 2187
Vesheva, L. V. - 980
Vigalok, I. V. - 1418
Vikhlyaev, Yu. I. - 1364
Vil'kavskaya, A. I. - 1289
Vinogradov, B. A. - 1714
Vishnevskii, F. N. - 1771
Vishnyakova, T. P. - 2376
Vitman, E. O. - 966
Vizgert, R. V. - 2009, 2607
Vlad, P. F. - 226
Vladimirova, I. L. - 1443, 1710, 2002
Vlasov, G. P. - 419, 422, 425
Vlasova, I. D. - 2376
Vlasova, N. N. - 337, 1413
Vlasova, S. N. - 1036
Volkov, Yu. M. - 2139
Volkova, L. V. - 437
Volkova, T. A. - 1398
Volnukhina, T. M. - 35
Volodarskaya, N. S. - 2350
Volodarskii, I. L. - 2329
Voloshin, M. P. - 2009, 2607
Volovel'skii, L. N. - 685
Vol'pert, A. I. - 2535
Vol'pin, M. E. - 188, 241
Volynskaya, E. M. - 2019
Voronkov, M. G. - 232, 287, 1591, 1784, 1890, 2005, 2120, 2237, 2243, 2314
Voronov, V. K. - 337, 1779
Voskresenskaya, O. V. - 2187
Vostokov, I. A. - 845, 1578, 1656
Voznesenskaya, A. Kh. - 228
Voznesenskaya, S. V. - 441
Voznyak, V. I. - 357
Voznyi, Ya. V. - 2808
Vyalikh, E. P. - 610
Vyazankin, N. S. - 303, 596, 720, 1414, 1415, 1889
Vysokinskii, G. P. - 1895
Vysotskii, Yu. L. - 2636
V'yunov, K. A. - 1824

Y

Yablokov, V. A. - 894, 1570
Yablokov, Yu. V. - 1369
Yablokova, N. V. - 894, 1570
Yafarova, R. L. - 1026, 1248
Yagnyukova, Z. I. - 80
Yagupol'skii, L. M. - 2075
Yaguzhinskaya, V. P. - 685
Yakovlev, I. P. - 2529
Yakovlev, I. V. - 2376
Yakovlev, V. G. - 2687
Yakovleva, T. P. - 258, 2147
Yakovleva, T. V. - 2450
Yakshin, V. V. - 477
Yakushina, T. A. - 1945
Yakutina, O. A. - 99
Yambushev, F. D. - 565
Yanik, Boleslav - 2668
Yankovskaya, I. S. - 1640
Yarkova, É. G. - 771, 1008, 1352, 1486, 1676, 1984, 2608
Yarosh, O. G. - 1763, 2510
Yaroshenko, G. F. - 1341
Yarovaya, S. M. - 441, 2323
Yarym-Agaev, N. L. - 725
Yashunskii, V. G. - 2350, 2632
Yasnopol'skii, V. D. - 1709
Yastrebov, V. V. - 716, 717, 1096
Yatsenko, V. S. - 1
Yudasina, A. G. - 1767
Yukhno, G. F. - 53, 2687
Yuldashev, A. Yu. - 1038
Yuldasheva, I. N. - 2198
Yunusov, K. M. - 347, 1131, 1329
Yurchenko, R. I. - 783
Yur'ev, V. P. - 943, 1896
Yurkevich, A. M. - 447, 1636, 2832
Yurlova, G. A. - 1333
Yurtanov, A. I. - 1345
Yurzhenko, T. I. - 1460, 1652
Yuzbasheva, S. R. - 1104
Yuzhakova, O. A. - 1833
Yuzhelevskii, Yu. A. - 1266, 1753, 2046, 2489
Yyodka, B. A. - 2129

Z

Zadorozhnaya, N. T. - 2293
Zagorets, P. A. - 2195
Zagudaeva, T. A. - 325
Zaitsev, N. B. - 1266, 1568, 1753, 2489, 2661
Zaitsev, P. M. - 2636
Zakharkin, L. I. - 568, 572, 583, 713, 714, 824, 830, 1056, 1309, 1516, 1521, 1732, 1892, 2047, 2722, 2727
Zaks, P. G. - 2651
Zalikin, A. A. - 1940
Zamora, V. A. - 473
Zaripova, V. G. - 1175
Zavalishina, A. I. - 1457, 2841
Zavgorodnii, V. S. - 862, 1584, 1655, 2256, 2263, 2267
Zavlin, P. M. - 473, 1883
Zdanovich, V. I. - 1345
Zeinalova, G. A. - 2235, 2716
Zelentsov, V. V. - 157, 2627
Zelmene, Z. Ya. - 232
Zemlyanskii, N. I. - 1218, 1222, 1440, 1699, 2012, 2136, 2209, 2471
Zenin, S. V. - 663
Zenkova, N. I. - 2478
Zhadanov, B. V. - 929
Zhagata, L. A. - 1784
Zharkov, V. V. - 247
Zhdanov, A. A. - 883
Zhdanov, Yu. A. - 202, 1401, 1845, 1853
Zhdanovich, E. S. - 2782
Zhelvakova, É. G. - 1391
Zheshutko, Vladimir - 2668
Zhigareva, G. G. - 714
Zhiglova, G. A. - 2596
Zhila, S. I. - 2401
Zhilina, Z. I. - 1364
Zhil'tsov, S. F. - 1066, 2121
Zhil'tsova, E. E. - 896
Zhinkin, D. Ya. - 875
Zhivopistsev, V. P. - 258, 2147
Zhmurova, I. N. - 783, 787, 791
Zhubekova, M. N. - 583, 2047
Zhuchenko, T. A. - 1429
Zhuravlev, E. F. - 24, 27, 2152
Zhuravleva, I. K. - 2152
Zhuravleva, L. P. - 1960, 1966
Zhuze, A. L. - 2823, 2828
Zimin, M. G. - 1232, 1981, 2706
Z'ola, M. I. - 1960
Zolotarev, B. M. - 1848
Zontova, V. N. - 1643

Zubov, P. I. - 1747
Zubova, T. P. - 1655
Zubtsova, L. I. - 520, 2450, 2453
Zurabyan, S. É. - 1176
Zverev, V. V. - 374
Zvyagintseva, E. N. - 1945, 2314
Zykova, T. V. - 89, 92, 1046, 1049, 1494, 1497, 1502, 1513, 1684, 1687, 1692, 1882, 1970, 2126, 2183, 2189, 2192, 2429, 2513

JOURNAL OF GENERAL CHEMISTRY
Volume 41, Numbers 1-12, 1971

(A translation of Zhurnal Obshchei Khimii)

Volume 41, Number 1, Part 1 January, 1971

	Engl./Russ.
Effects of Electrolytes on the Rates of Certain Processes in Solutions – A. V. Kurpik, M. O. Tereshkevich, G. I. Lysenko, V. S. Yatsenko, N. Ya. Khramtsova, Ya. A. Priven, M. I. Valenchuk	1 3
Study of the State of Components of Isomorphous Mixtures of Salts by the Cryoscopy Method – M. I. Ermolaev, N. I. Morozova, and G. V. Levchenko	6 8
Temperature Dependence of the Cocrystallization Coefficient in the Isomorphous System $CoSO_4$–$NiSO_4$–H_2O – M. I. Ermolaev, N. I. Morozova, and G. V. Levchenko	8 11
Study of Solutions of KI and NaI in Hydrazine by the NMR Method – A. A. Borichev, K. P. Mishchenko, and V. V. Kushchenko	10 13
Coordination Compounds of Lanthanum, Cerium, Praseodymium, and Neodymium Selenocyanates with Diantipyrinylmethane and Urotropine – A. M. Golub, M. V. Kopa, and G. V. Tsintsadze	13 15
Physicochemical Analysis of Binary Liquid Systems Formed by Amines. IV. Triethylamine–Amine Systems – Yu. Ya. Fialkov and O. V. Chviruk	18 21
Solubility Polytherm in the System Urea–Oxalic Acid–Water – B. A. Beremzhanov and N. N. Nurakhmetov	21 24
Systems with a Lower Ternary Critical Point. Solubility of Liquid Phases in the System Triethylamine–Ethylene Glycol–Isobutyric Acid – E. F. Zhuravlev and A. N. Korneeva	24 28
Systems with a Lower Ternary Critical Point. Solubility of Liquid Phases in the System Triethylamine–Ethylene Glycol–Propionic Acid – A. N. Korneeva and E. F. Zhuravlev	27 31
Complex Formation of Amines with Iodine and with Iodine Bromide in Nitrobenzene – A. K. Trofimchuk and E. Ya. Gorenbein	31 34
Temperature Dependence of the Viscosity and Density of Butanone – B. S. Krumgal'z, Yu. I. Gerzhberg, T. M. Volnukhina, and Yu. I. Kornilova	35 39
Complex Formation of 2,6-Dimethylnaphthalene with Maleic and Phthalic Anhydrides – G. P. Naletova, N. V. Schastlivtseva, and A. A. Golechek	37 40
Transfer of One Electron in Elementary Acts of Reactions of (Triphenylmethyl)sodium and Chloro(triphenylmethyl)magnesium with Acceptors – M. P. Ponomarchuk, L. F. Kasukhin, and V. D. Pokhodenko	40 43
Study of Copper Complexes of Gramicidin S with the Aid of Optical Rotatory Dispersion – N. A. Poddubnaya and N. Ya. Krasnorbrizhii	43 46
Polarographic Investigation of Some N,N-Bis-2-chloroethyl Amines and 2-Chloroethyl Sulfides – V. Sh. Tsveniashvili, R. A. Kopaladze, D. R. Lagidze, and R. M. Lagidze	49 52
Polarographic Behavior of Perchlorodecatetraene and Perchlorodecapentaene – V. D. Simonov, V. A. Semenov, M. V. Fominykh, and G. F. Yukhno	53 56

Engl./Russ.

Polarographic Investigation of Schiff Bases Derived from Hydroxybenzaldehydes – V. N. Dmitrieva, N. A. Rozanel'skaya, L. V. Kononenko, B. I. Stepanov, and V. D. Bezuglyi 57 60
Effect of Intramolecular Autoprotonation on the Polarographic Behavior of Hydroxy Derivatives of Anthraquinone – L. Ya. Kheifets, V. D. Bezuglyi, and L. I. Dmitrievskaya 65 68
Polarographic Reduction of 1,5-Diphenylcarbazone – L. S. Reishakhrit and L. T. Ionova 68 71
Polarographic Investigation of Organolead Compounds – D. A. Kochkin, T. L. Shkorbatova, L. I. Ryzhova, and G. É. Él'khanov 71 75
Basicities of Some Imides of Phosphorus Acids – G. K. Genkina, B. A. Korolev, V. A. Gilyarov, and M. I. Kabachnik 76 80
O-(Acetylphenyl) O-Alkyl Phosphoramidothioates – Z. I. Yagnyukova, K. D. Shvetsova-Shilovskaya, and N. N. Mel'nikov 80 84
Organic Insectofungicides. Phosphorylated Oximes – Sh. A. Azizova and N. N. Mel'nikov 84 88
Derivatives of Substituted Vinylphosphonic Acids. III. Hydrolysis of (2-Alkoxyvinyl)phosphonothioic O,O-Diesters into the Corresponding Aldehydes – V. V. Moskva, V. M. Ismailov, and A. I. Razumov 86 90
Derivatives of Substituted Vinylphosphonic Acids. IV. Geometric Isomerism of Substituted Vinylphosphonic Dichlorides with One Proton at the Olefinic Bond – V. V. Moskva, T. V. Zykova, V. M. Ismailov, and A. I. Razumov 89 93
Derivatives of Substituted Vinylphosphonic Acids. V. Alcoholysis of Substituted Vinylphosphonic and Vinylphosphonothioic Dichlorides – V. V. Moskva, V. M. Ismailov, T. V. Zykova, and A. I. Razumov 92 96
Reactions of Phosphoramidous Esters. XVI. Reactions of Phosphoramidous Esters with Polyhalo Hydrocarbons – V. S. Abramov and N. S. Il'ina 96 100
Reactions of Tetrachloroorganophosphoranes with Grignard Reagents – B. V. Timokhin, E. F. Grechkin, N. A. Tran'kova, and O. A. Yakutina 99 103
Phosphorylation of 3-(Alkylamino)- and 3-(Arylamino)-propionitriles – I. M. Kosinskaya, A. M. Pinchuk, and V. I. Shevchenko 101 105
Phosphorus-Containing Derivatives of Phenothiazine – K. A. Petrov, L. V. Khorkhoyanu, Zh. Beishekeev, and K. Dzhundubaev 105 110
Some Peculiar Features of the Chlorination and Bromination of Trichloro-1-naphthylsilane – G. V. Motsarev, V. T. Inshakova, V. I. Kolbasov, R. V. Dzhagatspanyan, and A. D. Snegova 110 114

Volume 41, Number 1, Part 2 January, 1971

Silicon-Containing Heterocyclic Compounds. VIII. Participation of Dichlorosilylene in Thermal Reactions Leading to the Formation of Silicon-Containing Heterocycles – E. A. Chernyshev, N. G. Komalenkova, T. A. Klochkova, S. A. Shchepinov, and A. M. Mosin 117 122
Metalated Ketenes. I. Synthesis of Mono- and Di-Metalated (Ge, Sn) Ketenes – S. V. Ponomarev, M. B. Érman, S. A. Lebedev, S. Ya. Pechurina, and I. F. Lutsenko 122 127
Possible Quantitative Coupling of Radicals Linked to a Central Hetero Atom. IX. Organo-Germanium and -Tin Compounds Containing Alkoxyphenyl Groups – I. I. Lapkin, V. A. Dumler, and É. S. Ponosova 128 133
Evaluation of the Relative Strengths of ω-Silyl-Substituted Aliphatic Carboxylic Acids in Methanol – R. R. Tarasyants, N. S. Fedotov, and V. F. Mironov 131 136
Preparation of Secondary (α-Germylstyryl)methanols and Their Reactions – I. M. Gverdtsiteli, L. V. Baramidze, and N. V. Tsikaridze 134 139

Heats of Formation of Barenes $B_{10}C_2H_{12}$ and Their Derivatives. III. Determination of the Heat of Combustion of p-Barene (1,12-Dicarbaclovododecaborane-12) – G. L. Gal'chenko, L. N. Martynovskaya, V. I. Stanko, and Yu. V. Gol'tyapin 137 141
Electronic Spectra of Derivatives of p-(p-Nitrophenylazo)benzoic Acid and Related Compounds – L. V. Balabanova and A. V. Belotsvetov 142 146
Organoboron Compounds. Reactions of Allylboron Compounds with ortho and para Quinones – G. S. Ter-Sarkisyan, N. A. Nikolaeva, V. G. Kiselev, and B. M. Mikhailov 148 152
Exchange of Radicals in Organometallic Compounds. XV. Effect of Complex Formation on the Exchange of Radicals between Phenyllithium and Bromobenzene – A. P. Batalov 154 158
Alkylpyridine Derivatives. IV. Complex Compounds of 2-[2-(Methylamino)ethyl]-pyridine with Copper and Zinc Salts of Dicarboxylic Acids – I. E. Il'ichev, G. Ismailov, V. V. Zelentsov, E. G. Rukhadze, and A. P. Terent'ev 157 161
Physicochemical Properties and Structure of Cobalt (II) Complexes of Azo Compounds – V. A. Kogan, S. N. Shcherbak, and O. A. Osipov 161 165
Reactions of Organosilazanes with Iron(III) Chloride – N. G. Klyuchnikov, F. I. Karabadzhak, and V. B. Losev 166 169
Liquid-Phase Photochemical Chlorination of Chlorotris(3,3,3-Trifluoropropyl)silane – M. A. Kadina and V. A. Ponomarenko 169 173
Reactions of Bis(triethylstannyl)carbodiimide with Certain Metal Salts – A. V. Pavlycheva, Yu. I. Dergunov, V. F. Gerega, and Yu. I. Mushkin 171 175
Structure of Protonated Forms of 2,3,4-Trisubstituted Pyrroles – T. A. Melent'eva, T. M. Filippova, L. V. Kazanskaya, I. M. Kustanovich, and V. M. Berezovskii 175 179
Reactions of 2-Chloroacetamides. Synthesis of Nitrones and N-Substituted Glyoxylamides – Yu. V. Svetkin, N. A. Akmanova, and M. M. Murza 179 183
Thermographic Investigations of Organometallic Compounds. II. Thermal Decomposition of Bis(arene)chromium Halides – N. N. Travkin, V. P. Rumyantseva, and B. G. Gribov 182 186
Study of the Reactions of Phthalonitrile with Ammonium Paramolybdate and Perrhenate by Methods of Differential Thermal and Thermogravimetric Analysis – L. P. Shklover, N. A. Novikova, and L. S. Maksimova 185 190
Flat Chelate Cobalt Complexes in Homogeneous Electron-Transfer Reactions with the Participation of Cyclooctatetraene and Its Dianion – I. Ya. Levitin, Z. V. Todres, M. E. Vol'pin, and D. N. Kursanov 188 193
Ionization Constants of Antipyrine and Its Derivatives. H-Complexes with p-t-Butylphenol, and the Energy of the Hydrogen Bond – V. K. Akimov, A. I. Busev, and I. A. Emel'yanova 191 196
Compounds of Gallium and Indium Trichlorides with Valine – K. I. Arsenin and I. A. Sheka 195 199
Acetals of Higher Polyhydric Alcohols. II. Xylitol Salicylidene Acetals – V. V. Rusanova, A. N. Anikeeva, and S. N. Danilov 200 204
Dimerization of Carbohydrate Ketenes and Products of the Opening of the Dimer Ring – V. I. Kornilov, Lyu dyk Shung, and Yu. A. Zhdanov 202 207
Relation between Structure and Biological Activity in the Series of Oxytocin and Its Analogs – Zh. D. Bespalova 205 210
Amino Acids and Peptides. VII. De(prolylleucylglycyl)oxypressin – O. A. Kaurov, V. F. Martynov, Yu. V. Natochin, O. A. Popernatskii, and E. I. Shakhmatova 207 213
Synthesis of a Substituted Pentapeptide Corresponding to the Sequence 18-22 of Cytochrome-c – S. D. L'vova, I. N. Sologubovskaya, and R. P. Evstigneeva 210 216

Engl./Russ.

Acetylation of Dinucleotides and Synthesis of Trinucleotides — É. A. Pyaivinen, É. N. Morozova, and N. S. Tikhomirova-Sidorova 214 219
Synthesis of a Protected Heptapeptide with the Sequence 24-30 of the B-Chain of Human Insulin — M. I. Titov, L. I. Leont'eva, and Zh. D. Bespalova 218 224
Preparation of Purine-Pyrimidine Dinucleotides with Terminal 2',3'-Cyclophosphate and Their Use for the Synthesis of Trinucleoside Diphosphates — A. P. Kavunenko, É. N. Morozova, and N. S. Tikhomirova-Sidorova 220 226
Absolute Configuration of Tetrahydroabienol at C-13 — P. F. Vlad and A. G. Russo ... 226 232

LETTERS TO THE EDITOR

Condensation of Acetyl Ethylene Phosphite with α,β-Unsaturated Ketones — A. Kh. Voznesenskaya, N. A. Razumova, and A. A. Petrov 228 234
Reactions of Aminophosphines with 1,3-Dipolar Systems — S. P. Konotopova, V. N. Chistokletov, and A. A. Petrov 229 235
Polarographic Investigation of t-Butyl Peroxy Esters of Peroxydisuccinic and Peroxydiglutaric Acids — S. S. Ivanchev, M. A. Kovbuz, R. E. Teodorovich, and T. A. Tolpygina 230 235
Complexes of Pyromellitic Dianhydride with Tertiary Amines — M. G. Voronkov and Z. Ya. Zelmene 232 236
Reaction of 2,4-Pentanedione with $AlCl_3$ in Benzene Solution — I. P. Labunskii 233 237
Phase State of Reactants in the Alcoholysis of Nucleoside 2',3'-Cyclophosphates by Nucleosides in Presence of Pancreatic Ribonuclease — G. E. Ustyuzhanin, V. A. Shevelev, and E. P. Mamontova..... 234 238
Benzoylation of Ammonium O,O-Diethyl Phosphorothioate — T. A. Mastryukova, T. B. Sakharova, and M. I. Kabachnik 236 239
Solid-Phase Synthesis of Fragments of the B-Chain of Pig's Insulin — R. G. Vdovina, A. K. Gracheva, M. G. Poznyak, and Yu. P. Shvachkin 237 239
New Method of Introducing a Monomethoxytrityl Group into the Polymeric Carrier for Oligonucleotide Synthesis — V. K. Potapov, M. N. Kochetkova, and Z. A. Shabarova..... 238 240
Reactivities of Chloroethyltins toward Ozone — Yu. A. Aleksandrov and B. I. Tarunin..... 239 241
Reduction of Intercalation Compounds of Graphite with Transition-Metal Chlorides — M. E. Vol'pin, Yu. T. Struchkov, Yu. N. Novikov, and V. A. Semion 241 242
Synthesis of 11-Azaestrogens — Yu. P. Badanova and K. K. Pivnitskii 242 242

Volume 41, Number 2, Part 1 February, 1971

Sulfur Exchange between Sulfuric Acid and p-Hydroxybenzenesulfonic Acid in Equilibrium Mixtures — V. F. Grechanovskii and N. T. Maleeva..... 243 249
Spectral Study of the Complex Formation of Sulfuric Acid with Aliphatic Acid Anhydrides and Acids — D. P. Mironov and V. V. Zharkov..... 247 253
Specific Heats of Solutions of Sodium Iodide in Water, Methanol, and Acetone, and Their Concentration and Temperature Dependences — N. P. Novoselov and K. P. Mishchenko..... 250 255
Layer-Formation Phenomena in Extraction Systems Containing 4,4'-Methylenediantipyrine. II. Equilibrium of Two Liquid Phases in the Systems Chloroform—Dichloroethane—Methylenediantipyrine Hexanitrozirconate and Chloroform—Methylenediantipyrine Dinitrate—Methylenediantipyrine Hexanitrozirconate — T. P. Yakovleva, V. P. Zhivopistsev, K. I. Mochalov, and B. I. Petrov..... 258 263

Effect of a Third Component on Mutual Solubility in the Systems Triethylamine–Water and Isobutyric Acid–Water – V. F. Sergeeva 263 269
Densities and Molar Volumes of Melts of Binary Mixtures of Sodium Nitrite, Nitrate, and Molybdate – T. N. Khokonova, G. K. Shurdumov, and P. I. Protsenko 267 273
Potentiometric Investigation of Acetate Mercury(II) Complexes in Aqueous and Methanolic Media – A. P. Kreshkov and L. N. Balyatinskaya 271 276
Reactions of Carboxylic Anhydrides with Electron Donors. I. Complex Formation of Carboxylic Anhydrides with Thiocyanates of Univalent Cations – B. V. Tronov, A. E. Goncharov, and A. B. Tronov 275 280
Nature of the Forces in Molecular Complexes of Styphnic Acid with Amines – A. E. Lutskii, V. V. Prezhdo, L. A. Fedotova, and A. V. Belous 279 284
Molecular Complexes of Pyromellitic Dianhydride with Amines – A. E. Lutskii, V. V. Prezhdo, and M. G. Voronkov 287 292
Oxidation of Nonsolvated Phenylmagnesium Compounds with Oxygen in Aromatic Hydrocarbons – Yu. N. Baryshnikov, A. A. Kvasov, and A. P. Batalov 292 297
Interrelation of Oxidation-Reduction Processes and the pH of the Reaction Medium. Oxidation of Phosphite and Selenite with Hypochlorite – V. P. Tolstikov 296 301
Condensation of Dialkyl (Cyclopentadienylalkyl)phosphonates with 2-Furaldehyde – G. I. Kolesnikov, V. A. Burtsev, and N. K. Strizhov 299 305
Thermal Decomposition of t-Butyl 3-(Trimethylsilyl)peroxypropionate – T. N. Brevnova, O. F. Rachkova, and N. S. Vyazankin 303 309
N-(Alkylsulfonyl)- and N-(Arylsulfonyl)-N-arylhydroxylamines and Their Derivatives – V. A. Shokol, L. I. Molyavko, and A. V. Kirsanov 306 311
Alkyl [Alkyl(dialkylamino)phosphoranylidene]carbamates – V. A. Shokol, L. I. Molyavko, N. K. Mikhailyuchenko, and G. I. Derkach 312 318
Reactions of Indolizines and 4H-Pyrrolo[1,2-a]benzimidazoles with Phosphorus Isocyanatidic and Isothiocyanatidic Esters – Nguet Fyong, Zh. M. Ivanova, G. I. Derkach, and F. S. Babichev 314 319
Reactions of (Alkylphosphinidene)dimethanols with Acrylonitrile – S. L. Komissarova, R. K. Valetdinov, and E. V. Kuznetsov 317 322
Synthesis and Properties of Alkenylphosphonic Derivatives. IV. β-Aldo Phosphonic Esters – K. A. Petrov, M. A. Raksha, V. P. Korotkova, and É. Shmidt 319 324
Synthesis of ω-(Ethylthio)alkyl Diphenylphosphinates and Their Methiodides – N. A. Kardanov, N. N. Godovikov, and M. I. Kabachnik 322 327
Synthesis of 1,3-Alkadienyl-phosphonochloridic Esters, -phosphonic Mixed Diesters, and -phosphonamidic Esters – L. N. Mashlyakovskii, T. A. Zagudaeva, B. I. Ionin, and I. S. Okhrimenko 325 330
Synthesis of Tri-s-alkyl Arsenites and Their Reactions with Acetic Anhydride – R. D. Gigauri, G. Kh. Kamai, and M. M. Ugulava 330 336
Radical Chlorination and Bromination of p-Barene – V. I. Stanko, A. I. Klimova, P. I. Belik, and K. P. Butin 332 338
Reactions of 1-(2-Propynyl)cyclopentanol with Organosilicon Compounds – I. A. Shikhiev, V. A. Ibragimov, S. F. Karaev, and G. F. Askerov 334 340
Nucleophilic Addition of Organosilicon Thiols to Ethynylbenzene – F. P. L'vova, N. N. Vlasova, and V. K. Voronov 337 342
Reactions of Organosilicon Enynic Nitriles with Amines – F. Ya. Perveev and I. I. Afonina 340 345
Reactions of Alkyl Iodides with Trihalogermanes – T. K. Gar, E. M. Berliner, and V. F. Mironov 343 348
Complex Compounds of Metals with Some Nitrogen-Containing Ligands. XX. Complexes of Group III and IV Element Chlorides with C-Alkanoyl and C-Aroyl Azoles – A. D. Garnovskii, Yu. V. Kolodyazhnyi, S. A. Alieva, K. M. Yunusov, I. I. Popov, O. A. Osipov, V. I. Minkin, A. M. Simonov, and I. I. Grandberg 347 352

Polyalkoxy-, Polyphenoxy-, and Poly(phenylalkoxy)-phenylsiloxanes – K. A. Andrianov, V. N. Emel'yanov, V. I. Troenko, and L. V. Mishina 353 358
IR Spectra of Quaternary Lepidinium Salts – B. M. Gutsulyak, V. I. Voznyak, and P. D. Romanko 357 362

Volume 41, Number 2, Part 2 February, 1971

Chelate Compounds with Optically Active Ligands. IX. Chelate Compounds of Copper and Zinc Based on 2-Phenylalanine Ethyl Ester – E. G. Rukhadze, G. P. Talyzenkova, M. V. Tuzhikova, and A. P. Terent'ev 363 368
Cyanophenylethylenes in Electron-Transfer Reactions – N. T. Ioffe, Z. V. Todres, V. A. Tsyryapkin, and D. N. Kursanov 368 372
Effect of Coulomb Interaction on the Rotational Isomerism of Heteroaromatic Aldehydes – V. V. Zverev 374 379
Possibility of the Existence of a Chlorine→Metal Bond in Azo Compound Cu^{2+} and Ni^{2+} Chelates – V. A. Kogan, S. N. Shcherbak, and O. A. Osipov 377 382
Mass-Spectrometric Determination of the Amino Acid Sequence in Peptides Containing Cysteine and Cystine Residues – Yu. A. Ovchinnikov, A. A. Kiryushkin, V. A. Gorlenko, Ts. E. Agadzhanyan, and B. V. Rozynov 380 385
Conformational States of Peptide Systems. PMR and IR Spectra of Methyl Esters of Stereoisomeric N-Acetylalanylphenylalanines and N-Acetylphenylalanylalanines – S. L. Portnova, V. F. Bystrov, T. A. Balashova, V. I. Tsetlin, P. V. Kostetskii, V. T. Ivanov, and Yu. A. Ovchinnikov 401 407
Conformations of 3,6-Disubstituted 2,5-Morpholinediones and 2,5-Piperazinediones – E. M. Popov, V. Z. Pletnev, S. L. Portnova, V. T. Ivanov, P. V. Kostetskii, and Yu. A. Ovchinnikov 412 420
New Possibility of the Use of Nitrophenylsulfenyl [Nitrophenylthio] Protection in Peptide Synthesis – Yu. V. Mitin and G. P. Vlasov 419 427
Synthesis of Lysine Oligopeptides – G. P. Vlasov, V. R. Glushenkova, and T. N. Prokopyuk 422 430
Synthesis of Glutamic Acid Oligopeptides – G. P. Vlasov and V. R. Glushenkova 425 433
Synthesis of Serine- and Glutamine-Containing Peptides – N. A. Poddubnaya, G. N. Balandina, and O. A. Tambieva 428 436
Synthesis of Peptides Containing Proline and Ornithine Residues and Study of Their Properties. III. Synthesis of the Hexapeptides Glycylleucyl(DL; L)-ornithyl(DL; L)-phenylalanyl(L; D)-propyl(L)-ornithine(DL; L) – N. A. Poddubnaya and N. Ya. Krasnobrizhii 432 441
Synthesis in the Glycophospholipid Field. II. Synthesis of 1,2-Distearoylglyceryl-3-phosphoryl-6'-(1',2';3',4'-dicyclohexylidene)-D-galactose – L. V. Volkova, M. G. Luchinskaya, N. A. Samoilova, and N. A. Preobrazhenskii 437 446
Radiation Chemistry of Carbohydrates. XIV. Process of the Formation of Deoxy Sugars in the Radiolysis of Aqueous Carbohydrate Solutions – L. I. Kudryashov, S. M. Yarovaya, S. V. Voznesenskaya, and N. K. Kochetkov 441 449
Anionic Complexes of Nucleosides and Nucleotides with Areneboronic Acids – E. A. Ivanova, I. I. Kolodkina, and A. M. Yurkevich 447 455
Synthesis and Properties of Products of the Reactions of L-Histidine with Dicarboxylic Acids – L. N. Nikolenko and L. D. Shustov 452 460
Aminocolchicide Derivatives. VII – V. V. Kiselev 456 464

Engl./Russ.

Synthesis of Glycine-Containing Analogs of Angiotensin II – A. P. Pavar and G. I. Chipens 459 467
Camphor Derivatives. IV. Derivatives Formed by (–)-3-(Hydroxymethylene)camphor with Diamines – A. P. Terent'ev, G. V. Panova, and O. V. Toptygina 467 476

LETTERS TO THE EDITOR
Condensation of Alkylphosphonous Esters with 1,3-Alkadienes – Zh. L. Evtikhov, N. A. Razumova, and A. A. Petrov 471 479
Reactions of Ethylene Phenyl Phosphite with 1,3-Alkadienes – Zh. L. Evtikhov, B. B. Shurukhin, N. A. Razumova, and A. A. Petrov 472 480
Thermal Transformations of Unsymmetrical P-Methylphosphonic Diamides – P. M. Zavlin, V. A. Zamora, and A. S. Fedoseeva 473 481
Reactions of Alkyl Tetraethylphosphorodiamidites with Hydroquinone – É. E. Nifant'ev, V. I. Kodolov, and E. P. Nonishnev 474 482
Synthesis and Polymerization of Chloromethylcyclophosphazenes – V. N. Prons, M. P. Grinblat, and A. L. Klebanskii 475 482
Synthesis and Reactivities of Fluoroalkyl Phosphorochloridites and Phosphites – V. N. Prons, M. P. Grinblat, and A. L. Klebanskii 476 483
Reactions of Trialkyl Phosphites with Thio Carboxylic Acid Chlorides – V. V. Yakshin and L. I. Sokal'skaya 477 484
Gas-Phase Thione-Thiol Isomerization of O-Phenyl Phosphorodichloridothioate – V. I. Aksenov, E. A. Chernyshev, E. F. Bugerenko, and A. A. Borisenko 478 484
Reactions of (Trialkylsilyl)ketenes with Dialkyl Hydrogen Phosphites and O,O-Dialkyl Hydrogen Phosphorothioites – N. I. Savel'eva, A. S. Kostyuk, Yu. I. Baukov, and I. F. Lutsenko 479 485
Cyclic Organotin Peroxides – G. S. Akimova and M. P. Grinblat 480 486
Reactions of Tetrafluorohydrazine with Ylides – A. V. Fokin, Yu. N. Studnev, L. D. Kuznetsova, and A. F. Kolomiets 481 486
Thermal Decomposition of Dibutoxy(s-butyldioxy)borane – V. P. Maslennikov, M. B. Nedoshivina, and V. A. Shushunov 482 487
Synthesis of 3-[(Methyl-o-carboranyl)methyl]naphtho[2,1-b]pyrylium Chloroferrate(III) – A. V. Grebennikov and A. V. Kazantsev 483 488

Volume 41, Number 3, Part 1 March, 1971

Partial Molal Heat Capacities of Sodium Iodide in Water, Methanol, and Acetone at 0.8, 25, and 50° – N. P. Novoselov and K. P. Mishchenko 485 489
Electroreduction of Organic Compounds of Group IV Elements. IV. Nature of Limiting Currents of Sn, Ge, and Si Compounds in Various Solvents – Yu. M. Tyurin, Vyach. N. Flerov, and V. K. Goncharuk 490 494
Anodic Voltammetry of Alkyl(carbamoyloxy)carbamic Esters – G. S. Supin, Yu. A. Baskakov, N. V. Konstantinova, and L. P. Kolobanova 497 502
Amperometric Investigation of Oxalate and Malonate Complexes of Tervalent Iron – V. I. Gordienko, Yu. I. Mikhailyuk, and V. I. Sidorenko 501 507
Polarography of Some Organic Acids in Methanol and in Dimethylformamide – L. Ya. Kheifets, N. M. Przhiyalgovskaya, and L. I. Dmitrievskaya 504 510
Effect of Nonaqueous Solvents on the Half-Wave Potentials of Some Organic Depolarizers – L. Ya. Kheifets and V. D. Bezuglyi 507 514
Organic Derivatives of Elements of Groups V-VII. XV. Mass Spectra of Unsaturated Phosphine Oxides – G. M. Bogolyubov, V. F. Plotnikov, V. M. Ignat'ev, and B. I. Ionin 510 517
Organic Derivatives of Elements of Groups V-VII. XVI. Mass Spectra of Hetero Compounds with Allyl Substituents on the Hetero Atom – G. M. Bogolyubov, V. F. Plotnikov, and Z. N. Kolyaskina 514 520

Organic Derivatives of Elements of Groups V-VII. XVII. Mass Spectra of 3-Phospholene 1-Oxides and 1-Sulfides – G. M. Bogolyubov, L. I. Zubtsova, N. N. Grishin, N. A. Razumova, and A. A. Petrov 520 527
Reactions of Pyridine 1-Oxide with Esters of Quinquevalent Phosphorus Acids – B. A. Khaskin, N. N. Mel'nikov, and N. A. Torgasheva 524 531
Spectral Properties and Structure of Tertiary Ethylmesitylphosphines – B. I. Stepanov, A. I. Bokanov, and V. I. Svergun 526 533
Organophosphorus Derivatives of Indoline and Indole. I. Synthesis of 5-Indolinylphosphonic Acid – V. P. Shamshin, V. F. Shner, and N. N. Suvorov 530 537
(1-Aroyl-2-p-nitrophenylethylidene)triphenylphosphoranes – M. I. Shevchuk, A. F. Tolochko, and A. V. Dombrovskii 534 540
Methylphosphonisocyanatidic Azide and Its Derivatives – V. A. Shokol, G. A. Golik, and G. I. Derkach 539 545
Phosphorus Iodides. III. Reactions of Phosphorus Triiodide with Ethers – N. G. Feshchenko, Zh. K. Gorbatenko, and A. V. Kirsanov 545 551
Reactions of Phosphorus Pentachloride with 2-Methyl-1-dioxolanes. I – S. V. Fridland, S. K. Chirkunova, V. A. Kataeva, and G. Kh. Kamai 549 554
Synthesis of (Alkylthio)arsonium Salts – B. D. Chernokal'skii, I. B. Levenshtein, and G. Kh. Kamai 551 557
Cleavage of Arsenic–Carbon Bond in 5,10-Dihydrophenarsazine Derivatives in Reaction with Hydriodic Acid – V. I. Gavrilov, B. D. Chernokal'skii, and G. Kh. Kamai 554 560
Reactions of Tertiary Arsine Oxides of the 5,10-Dihydrophenarsazine Series with Acids – V. I. Gavrilov, L. A. Batina, B. D. Chernokal'skii, and G. Kh. Kamai. 559 564
Mechanism of the Rearrangement of Dialkylarylarsine Sulfides – Yu. F. Gatilov and V. P. Kovyrzina 562 567
Effect of Substituents in the Aromatic Nucleus on the Optical Activity of Alkyldiarylarsines – Yu. F. Gatilov, L. B. Ionov, and F. D. Yambushev 565 570
Synthesis of Mercury Derivatives of Decachloro-o-carborane and Decachloro-1-methyl-o-carborane – L. I. Zakharkin and N. A. Ogorodnikova 568 573
Preparation of Ether and Amine Complexes of Aluminum Hydride and Its Chloro Derivatives from Sodium Tetrahydroaluminate – L. I. Zakharkin, V. V. Gavrilenko, and D. N. Maslin 572 577
Possible Quantitative Combination of Radicals Linked to a Central Hetero Atom. VIII. Sulfur-, Selenium-, and Oxygen-Containing Organotin Compounds – I. I. Lapkin and V. A. Dumler 581 585
Synthesis of o-Carboranylphosphonic Acids – L. I. Zakharkin, M. N. Zhubekova, and A. V. Kazantsev 583 588
Decomposition of Dibutoxy(α,α-dimethylbenzyldioxy)borane and of Dibutoxy(butyldioxy)borane in Nonane – V. P. Maslennikov, G. P. Gerbert, G. F. Khodalev, and V. A. Shushunov 588 592
Synthesis of Organosilicon Derivatives of m-Carborane – L. P. Dorofeenko, A. L. Klebanskii, V. F. Gridina, N. É. Norden, I. F. Ermachkova, and V. N. Churmaeva 591 595
Thermal Decomposition of α,α-Dimethylbenzyl 3-(Trimethylsilyl)- and 3-(Triethylgermyl)-peroxypropionates – T. N. Brevnova, O. F. Rachkova, N. S. Vyazankin, S. Kh. Ratushnaya, and G. N. Bortnikov 596 600

Volume 41, Number 3, Part 2 March, 1971

Determination of Relative Acidities of Silyl Esters of Aliphatic Acids – R. R. Tarasyants, N. S. Fedotov, O. P. Sakovets, I. A. Luk'yanova, and V. F. Mironov 599 603

Synthesis of Oligomers of the Dimethylsiloxane Series with Terminal Hydridosilyl and Carboxy Groups – K. A. Andrianov, I. I. Abkhazava, L. M. Khananashvili, G. D. Bagratishvili, T. P. Doksopulo, and V. A. Chagelishvili 603 606
Synthesis of Silicon-Containing 2-Alkoxy-Propenes, -Butadienes, and -Butenynes – L. L. Shchukovskaya and A. M. Kapustyanskaya 606 609
Addition of Diethylmethylsilane to Glycol Divinyl Ethers – M. F. Shostakovskii, A. S. Atavin, E. P. Vyalikh, G. M. Gavrilova, G. A. Kalabin, and B. A. Trofimov 610 613
Silicon-Containing Heterocyclic Compounds. X. Synthesis and Some Reactions of 1,1-Dichloro-5-aza-1-silaacenaphthene – E. A. Chernyshev, N. G. Komalenkova, T. A. Klochkova, and S. A. Shchepinov 614 617
Synthesis and Reactions of Unsaturated Organosilicon Compounds. LXXII. Synthesis and Reactions of [3-(Chloromethoxy)-1-propynyl] trimethylsilane – I. A. Shikhiev, V. A. Ibragimov, and S. F. Karaev .. 617 620
Complex Formation in the Halogenation and Hydrohalogenation of N-Vinylimidazoles – G. G. Skvortsova, E. S. Domnina, N. P. Glazkova, N. N. Chipanina, and N. I. Shergina 620 623
Aminolation (Aminomethylation) Reaction. VI. Complex-Forming Properties of Some o-(Dialkylaminomethyl)phenols – E. G. Rukhadze, I. G. Il'ina, T. V. Grichenko, T. P. Mamikhina, M. A. Salimov, and A. P. Terent'ev 624 627
Quaternary Salts Derived from Aminoalkyl 4-Aminosalicylates – L. F. Travushkina and A. M. Khaletskii 630 633
Kinetics of the Hydrolysis of Chloroorganosilanes – V. P. Mileshkevich, G. A. Nikolaev, V. F. Evdokimov, and A. V. Karlin 632 634
Hydrogen Bonds and Proton Transfer in the System α,β-Unsaturated Ketene–CF_3COOH–CCl_4 – S. V. Tsukerman, L. A. Kutulya, Yu. N. Surov, and V. F. Lavrushin 636 639
Polarographic Behavior of Thiokols – G. K. Budnikov, T. I. Budkina, and V. V. Kormachev 643 646
Synthesis of ω-(Ethylthio)alkyl Benzilates and Their Methiodides – N. A. Kardanov, N. N. Godovikov, and M. I. Kabachnik 646 649
Catalytic Activity of Azomethines and Their Coordination Compounds – M. D. Aptekar', T. N. Matskevich, E. P. Trailina, and I. A. Savich 649 652
Interaction of Urotropine with Dilute Acids – D. I. Belkin, N. V. Belkina, and M. Ya. Rozkin 652 655
Synthesis of Complex-Forming Compounds. Ethylenediamine-N,N,N'-triethanesulfonic Acid and Its Properties – L. G. Egorova, I. I. Il'yashevich, N. V. Serebryakova, and G. N. Tyurenkova 655 657
Mass-Spectrometric Determination of the Amino Acid Sequence in Peptides: Desulfurization and Exhaustive N-Methylation of Sulfur-Containing Peptides – Yu. A. Ovchinnikov, A. A. Kiryushkin, V. A. Gorlenko, and B. V. Rozynov 658 660
Study of the Conformational States of Substituted Dipeptides with the Aid of NMR and IR Spectroscopy – S. V. Zenin, I. Ya. Krasnobrizhii, V. E. Minaev, N. A. Poddubnaya, and G. B. Sergeev 663 665
Amino Acids and Peptides. VIII. Oxytocin Analogs with 3-Nitro-L- and -D-tyrosines and p-Nitro-L-phenylalanine in the Second Position – Z. P. Auna, O. A. Kaurov, V. F. Martynov, and V. B. Morozov 672 674
Water-Soluble Carbodiimide in Oligoribonucleotide Synthesis Catalyzed by Pancreatic Ribonuclease – A. P. Kavunenko, V. P. Sukharevich, and N. S. Tikhomirova-Sidorova 677 679
ω-[p-(Bis-2-Chloroethylamino)phenyl] alkanoic Esters of Steroids. II – V. P. Yaguzhinskaya, N. M. Kashnikova, K. N. Kurdyumova, T. D. Miniker, L. N. Volovel'skii, and E. N. Shkodinskaya 685 688

Camphor Derivatives. V. Copper Chelate Compounds from Derivatives Formed by (–)-3-(Hydroxymethylene)camphor with Diamines – A. P. Terent'ev, G. V. Panova, and O. V. Toptygina 688 690
Camphor Derivatives. VI. Physicochemical Investigations of Chelate Copper Compounds Derived from Amino Analogs of (–)-3-(Hydroxymethylene)camphor – A. P. Terent'ev, G. V. Panova, and O. V. Toptygina 694 696
Glucosaminides of Monoterpene Alcohols – S. A. Kozhin and E. G. Titkova 698 700

OBITUARIES
Aleksandr Aleksandrovich Vvedenskii, 1907-1970 ..... 703 705
Boris Abramovich Vovsi 705 706

LETTERS TO THE EDITOR
Phosphorylation of Xylitol – É. E. Nifant'ev, L. T. Elepina, and V. N. Balakhontseva 707 708
Reactions of Ammonium Salts of Phosphorodithioic Esters with Dialkyl [(Chloromethoxy)methyl]phosphonates – A. N. Pudovik, R. A. Cherkasov, and I. V. Shergina 708 708
Reaction of Diphenylphosphine with Methyl Pyruvate – A. N. Pudovik, I. V. Gur'yanova, G. V. Romanov, and A. A. Lapin 710 709
Investigation of the Complex Formation of Chromium(I) with Phosphorus-Containing Ligands by the ESR Method – N. S. Garif'yanov, A. D. Troitskaya, A. I. Razumov, P. A. Gurevich, and O. I. Kondrat'eva 712 710
1,4-Addition of Lithium and Magnesium Derivatives of o-Carboranes to α,β-Unsaturated Nitro Compounds – A. V. Kazantsev, M. M. Aksartov, and L. I. Zakharkin 713 711
Preparation of 1-Nitro-m-carboranes – L. I. Zakharkin and G. G. Zhigareva 714 712
Synthesis of Ketones by the Reactions of 2-Substituted 1,3-Dioxolan-2-ylium Salts with Aromatic Compounds – G. N. Dorofeenko, L. V. Mezheritskaya, and A. L. Vasserman 715 713
Cleavage of Methoxytrimethylsilane with Silicon Tetrachloride in Presence of Catalysts – V. V. Yastrebov and A. I. Chernyshev 716 713
Rapid Chemical Exchange in the Redistribution of Si–OC and Si–Cl Bonds – A. I. Chernyshev and V. V. Yastrebov 717 714
Addition of Methanesulfenyl Halides to 3-Buten-1-ynyltrimethylsilane – B. B. Kochetkov, M. D. Stadnichuk, and A. A. Petrov 719 715
Reactions of Chlorotriphenylmethane with Bis(triethylgermyl)mercury and with Bis(trieethylgermyl)cadmium – V. T. Bychkov, N. S. Vyazankin, and G. A. Razuvaev 720 716
Application of Thermography to the Study of the Diene-Condensation Reaction. Reaction of Cyclopentadiene with Maleic Anhydride – B. A. Arbuzov, A. V. Fuzhenkova, and G. M. Devyatova 721 717
Hammett Equation for 1-(ar-Substituted Anilino)-4-(methylamino)anthraquinones. Transmission of Conjugation through a Bridge Nitrogen Atom – B. A. Korolev, S. P. Titova, and V. N. Ufimtsev 722 718

Volume 41, Number 4, Part 1 April, 1971

Form of the Isotherm of Orthobaric Heat of Mixing in the Vapor When One Component is Associated in the Vapor – N. L. Yarym-Agaev 725 721

	Engl.	Russ.
Complex Formation of Iron(III) with Glycerol and the Acetate Ion in Alkaline Solutions – V. V. Medyntsev and B. I. Khomutov	731	727
Mechanism of the Polarographic Reduction of Aminoalkyl Methacrylates – F. K. Ignat'eva and Ya. I. Tur'yan	738	734
Electrochemical Reduction of Phosphine Imides with Aryl-Containing N-Substituents in Dimethylformamide – V. V. Pen'kovskii, Yu. P. Egorov, and G. S. Shapoval	742	738
Effect of the Strengths of Organic Acids Present on the Polarographic Reduction of Anthraquinone in Methanol and in Dimethylformamide – L. Ya. Kheifets, V. D. Bezuglyi, and L. I. Dmitrievskaya	746	742
Polarography of 2-Benzoxazolinone, 2-Benzoxazolinethione, and Some of Their Derivatives. I. Anodic Voltammetry at a Platinum Microelectrode – G. S. Supin, N. L. Poznanskaya, V. G. Blinova, N. I. Shvetsov-Shilovskii, N. N. Mel'nikov, and T. S. Averyushkina	750	746
Intermolecular Interaction in Binary Systems of Some Carboxylic and Dicarboxylic Esters with Benzene Compounds – F. F. Cheshko and T. N. Shvaika	754	749
Calculation of Kinetic Parameters from Ionic-Conductivity Isobars – B. P. Artamonov and M. S. Grilikhes	761	756
Synthesis of Complex-Forming Compounds. Ethylenediamine-N,N'-diethanesulfonic-N-methanephosphonic Acid and Its Properties – I. I. Il'yashevich, V. N. Podchainova, N. V. Serebryakova, L. G. Egorova, and G. N. Tyurenkova	764	758
Compounds of Metals with O,O-Diethyl Phosphoroselenoate Ions – S. V. Larionov and L. A. Il'ina	767	762
Interaction of Phosphonous and Phosphinous Esters with Tin Tetrachloride – A. N. Pudovik, A. A. Muratova, M. D. Medvedeva, and É. G. Yarkova	771	766
Basicities and Nucleophilicities of Some P,P'-Methylenebis[phosphine imides] – V. Yu. Kovtun, V. A. Gilyarov, B. A. Korolev, E. I. Matrosov, and M. I. Kabachnik	777	772
Auxochromic Action of the Phosphoranylideneamino Group. V – I. N. Zhmurova, R. I. Yurchenko, and A. V. Kirsanov	783	778
[(Triphenylphosphoranylidene)amino]phenols – I. N. Zhmurova, A. P. Martynyuk, and A. V. Kirsanov	787	782
N-(Triphenylphosphoranylidene)phenylenediamines – I. N. Zhmurova, A. A. Tukhar', and A. V. Kirsanov	791	785
Reactions of Alkoxycyclophosphazenes with (Chloromethyl)silanes – V. V. Kireev, G. S. Kolesnikov, I. M. Raigorodskii, and P. O. Okulevich	798	792
Reactions of N-(Arylsulfonyl)-p-benzoquinone Imines with Dialkyl Hydrogen Phosphites – E. A. Titov and A. P. Avdeenko	803	797
Organophosphorus Heterocyclic Compounds. I. Gas-Phase Pyrolytic Cyclization of 2-Biphenylyl Phosphorodichloridite – E. A. Chernyshev, E. F. Bugerenko, and V. I. Aksenov	806	800
Cyclization in the Homolytic Addition of Dialkyl Hydrogen Phosphites to Divinyl Ethers of vic-Diols – A. S. Atavin, B. A. Trofimov, G. M. Gavrilova, and I. M. Korataeva	810	804
Organic Derivatives of Elements of Groups V-VII. XVIII. Conjugation Energy in the P–P Bond. Mass Spectra of Phosphine Sulfides – G. M. Bogolyubov, N. N. Grishin, and A. A. Petrov	817	811
Synthesis of [(3-Alkyl-5-rhodaninyl)naphthylmethyl]phosphonic Esters – B. P. Lugovkin	821	815
Reactions of 1-Methyl-2-(fluoroalkenyl)-o-carboranes with Alkoxides – L. I. Zakharkin and V. N. Lebedev	824	817
Some Reactions of 1-Ethynyl-o-carborane – L. I. Zakharkin, V. N. Kalinin, I. R. Gol'ding, A. M. Sladkov, and A. V. Grebennikov	830	823

Volume 41, Number 4, Part 2 April, 1971

Synthesis of Halocyclobutylmercurys – Yu. A. Ol'dekop, N. A. Maier, Yu. D. But'ko, and M. S. Mindel'	835	828
Reactions of Diphenylphosphine and Its Potassium Derivative with α-Mercurated Aldehydes and Ketones – Z. S. Novikova, N. P. Galitskova, V. A. Kozlov, and I. F. Lutsenko	838	831
Reactions of Metal Di-1-butaneselenolates with Alkyl Halides and with Benzoyl Peroxide – I. A. Vostokov and V. T. Bychkov	845	838
Silicon-Containing Heterocyclic Compounds. IX. Preparation of Silicon-Containing Heterocycles by the Pyrolysis of Chloro(ortho-Substituted Phenyl)silanes – E. A. Chernyshev, N. G. Komalenkova, L. N. Shamshin, and S. A. Shchepinov	850	843
Unsaturated Organosilicon Compounds. XXVI. Sulfenylhalogenation of 1,3-Dienic Sila Hydrocarbons – V. I. Koshutin, M. D. Stadnichuk, and A. A. Petrov	855	848
Unsaturated Stanna Hydrocarbons. XXI. Synthesis of Carbofunctional Substituted Alkynyltriethyltins Containing Halogens (Cl, Br) – V. S. Zavgorodnii, É. S. Sivenkov, and A. A. Petrov	862	856
Dipole Moments and Structure of Alkenylphosphines and Alkenylphosphonous Derivatives – K. S. Mingaleva, V. N. Chistokletov, V. V. Kosovtsev, and A. A. Petrov	868	862
Reactions of Unsaturated Organogermanium Compounds – T. L. Tursunbaev, Z. M. Manulkin, and A. N. Tatarenko	871	865
Transamination of Organoaminosilanes with 3-(Triethoxysilyl)propylamine – D. Ya. Zhinkin, G. N. Mal'nova, and T. P. Solov'eva	875	870
Synthesis and Reactions of Oxygen-Containing Unsaturated Organic and Organosilicon Compounds. LXX. Addition of Hydride Silanes to Diacetylenic Formals – I. A. Shikhiev, M. É. Askerov, and S. A. Rzaeva	878	872
Reactions of Tributylisocyanatotin with Certain Amines – V. F. Gerega, Yu. I. Dergunov, and Yu. I. Mushkin	881	875
Synthesis and Properties of Organosilicon Sulfides – K. A. Andrianov, A. A. Zhdanov, I. V. Karpova, and V. A. Odinets	883	876
Trichlorosilane as an Analog of Trichlorogermane in Condensation Reactions with Organic Halides – V. F. Mironov, L. N. Kalinina, and T. K. Gar	886	878
Relative Acidities of Certain Classes of Organosilicon Compounds in Nonaqueous Media – V. A. Drozdov, A. P. Kreshkov, and V. N. Knyazev	888	881
Rearrangement of Trimethylsilyl Triphenylsilyl Peroxide – V. A. Yablokov, A. P. Tarabarina, N. V. Yablokova, and M. I. Stal'nova	894	887
Effect of Nickelocene and Other Additions on the Kinetics of the Thermal Decomposition of Dicarbonyldicyclopentadienyldinickel – G. G. Petukhov, V. I. Ermolaev, E. E. Zhil'tsova, and R. V. Kaplina	896	889
Acidic Properties and Stability of Platinum(II) Complexes Containing Unsaturated Glycols – M. I. Gel'fman, N. K. Pukhova, and V. V. Razumovskii	900	892
Investigation of the Hydrogen Bonding of Chalcones with Trifluoroacetic Acid by IR- and NMR-Spectral Methods – L. A. Kutulya, Yu. N. Surov, N. S. Pivnenko, S. V. Tsukerman, and V. F. Lavrushin	903	895
Diazo Compounds. XLI. Primary Aromatic Amine and Diazonium Metamolybdates – V. V. Kozlov and V. G. Smirnova	908	901
Electrochemical and Protolytic Transformations of β-Nitrostyrene and 2-(2-Nitrovinyl)furan – G. O. Reikhman, Ya. P. Stradyn', R. A. Gavar, and S. A. Giller	912	906
Quaternary Ammonium Salts Derived from Ethylenediamine. VII – V. P. Denisenko, V. P. Rudi, and L. N. Vasil'eva	916	910
Interaction of Dipolar Aprotic Solvents with o-Aminophenol – A. P. Kreshkov, L. P. Senetskaya, N. Sh. Aldarova, and M. V. Slavgorodskaya	919	913

Synthesis and IR Spectra of Complex Compounds of Vinyloxy Pyridines and Piperidines with Stannic Chloride – G. G. Skvortsova, S. M. Tyrina, M. A. Andriyankov, N. N. Chipanina, and N. I. Shergina 923 917
Polarographic Study of the Reaction of Ethyl 4-Acetyl-5-(chloromethyl)-3-methylpyrrole-2-carboxylate with 3-Acetyl-2,4-dimethylpyrrole – T. A. Melent'eva, L. V. Kazanskaya, and V. M. Berezovskii 926 921
Structure of Anionic Forms of New Complexing Agents Derived from Polyhydric Phenols – N. V. Tsirul'nikova, N. A. Kostromina, B. V. Zhadanov, and V. Ya. Temkina 929 923
Synthesis of a Dimer of a Protected Hexapeptide with the 15-20 Sequence of the B Chain of Insulin – M. I. Titov, Zh. D. Bespalova, and L. I. Leont'eva 934 928
To the Memory of A. L. Mndzhoyan 936 930

LETTERS TO THE EDITOR

Reactions of (Cyanomethyl)triphenylphosphonium Chloride with Bis(dialkyl Acetals) of Malonaldehyde and Alkylmalonaldehydes – A. V. Kazymov and É. B. Sumskaya 938 931
Reactions of Diethyl Phosphorochloridite with Carboxylic Acid Acylals – M. B. Gazizov, D. B. Sultanova, V. V. Moskva, A. I. Maikova, and A. I. Razumov 939 932
Reactions of Organosilicon Amines with Alkylene Carbonates – É. V. Serebrennikova, L. P. Vakhrushev, and N. V. Komarov 940 933
Reaction of Trimethyl-1-propynylsilane with (Ethoxycarbonyl)carbene – G. V. Golodnikov, L. P. Danilkina, and L. G. Razumova 941 934
Derivatives of Porphyrazine Containing t-Alkyl Groups – E. A. Luk'yanets, S. A. Mikhalenko, and E. I. Kovshev 942 934
New Reagent for the Preparation of Keto Sugars – U. M. Dzhemilev, V. P. Yur'ev, and G. A. Tolstikov 943 935
Reactions of Organomagneiusm Compounds with 3-Buten-1-ynyltrimethylsilane – L. N. Cherkasov, S. I. Radchenko, and B. S. Kupin 944 936

Volume 41, Number 5, Part 1 May, 1971

Formation of Polythionic Acids in Wackenroder Solution in Presence of Organic Bases – V. V. Smolyaninov 945 937
Vapor Pressures of Diheptylphosphinic Acid and Trioctylphosphine Oxide, and the Solubility of Iodine in These Compounds – I. E. Nakhutin, N. M. Smirnova, V. I. Krivenko, and G. A. Loshakov 948 940
Magnetochemical Study of Compounds of Aminoacetate Ion-Exchange Resins with Ions of Transition Metals – N. P. Moiseeva, V. G. Sinyavskii, and M. Ya. Romankevich 951 943
Molecular Complexes of Anisidines with Aromatic Nitro Compounds – I. M. Korenman and A. A. Gorokhov 955 948
Interaction of Salts of Fatty Acids with Lithium and Potassium Thiocyanates in Melts – N. M. Sokolov and N. M. Tsindrik 959 951
Solubility of NaI in the Systems CCl_4–Acetone, CCl_4–Acetonitrile, and CCl_4–Propyl Alcohol – V. V. Kushchenko, L. V. Litvinov, and K. P. Mishchenko 963 955
Stability of Complexes of 2-Furaldehyde with Trichloroacetic Acid in Presence of Nitrophenols – I. M. Bokhovkin, B. K. Semenov, and E. O. Vitman 966 959
Structure of Chelate Compounds of Nickel in Pyridine Solutions – V. A. Kogan, O. A. Osipov, G. A. Chukhadzhyan, Zh. I. Abramyan, S. I. Adamova, and A. S. Grishchenko 969 963
Complex Formation in the System Vanadium(IV)–Guainacol in Sulfuric Acid – S. Ya. Shnaiderman and A. M. Pleskonos 973 967

	Engl.	Russ.
Catalytic Waves of Hydrogen in Alkaline Solutions of Mercaptoacetato Complexes of Cobalt and Nickel – V. F. Toropova, L. A. Anisimova, and G. A. Gnedenkova. . .	976	971
Polarographic Study of Aromatic Amides. I. Reduction of meta-Substituted Benzamides in Proton-Donor Media – L. V. Vesheva, R. A. Ovchinnikova, and L. S. Reishakhrit	980	975
Reduction of Isomeric Dimethyl Tetrachloromuconates at a Dropping Mercury Electrode – V. D. Simonov, V. A. Semenov, and F. A. Mamina.	985	980
N-(Polychloroalkyl)-P-phenylphosphonimidic Dichlorides – N. D. Bodnarchuk, V. Ya. Semenii, V. P. Kukhar', and A. V. Kirsanov	989	984
Reactions of Phosphorus Pentachloride with (α-Aminobenzylidene)malononitriles – P. P. Kornuta, A. I. Kalenskaya, and V. I. Shevchenko.	993	988
Derivatives of Dialkyl Phosphorisocyanatidates – V. F. Gamaleya, E. I. Slyusarenko, and G. I. Derkach	997	992
Derivatives of Isocyanates of Phosphorus Thio Acids – A. G. Matyusha, M. V. Kolotilo, and G. I. Derkach	1001	996
IR Spectral Investigation of the Interaction of Dialkyl Hydrogen Phosphates with Tin Tetrahalides – É. G. Yarkova, I. Ya. Kuramshin, A. A. Muratova, and A. N. Pudovik	1008	1003
Reactions of Diazodiphenylmethane with Tertiary Vinyl- and Allyl-Phosphine Oxides – A. N. Pudovik, R. D. Gareev, A. V. Aganov, O. E. Raevskaya, and L. A. Stabrovskaya	1013	1008
1,3-Dipolar Addition of Diazomethane to Unsaturated Phosphonic Esters – A. N. Pudovik, R. D. Gareev, and A. V. Aganov	1021	1017
Phosphonic, Phosphinic, Phosphonous, and Phosphinous Derivatives. LXXV. Synthesis and Some Properties of (Phosphinylmethyl)malonic Esters and Hydrazides – A. I. Razumov, R. L. Yafarova, and R. K. Ismagilov	1026	1022
Synthesis of Chloro-, (Alkylamino)-, and Alkoxy-pentaaminocyclotriphosphazenes – N. I. Shvetsov-Shilovskii and M. R. Pitina	1028	1025
Process of Thermal Transformation of 2,2-Diamino-4,4,6,6-tetrachlorotriphosphonitrile – A. F. Nikolaev, V. M. Bondarenko, and Yu. P. Belyaev	1032	1028
Preparation of Trialkyl Phosphorotetrathioates from Alcohols and Diphosphorus Pentasulfide – V. S. Blagoveshchenskii and S. N. Vlasova	1036	1032
Synthesis of Certain Dialkyl Hydrogen Phosphates – A. Yu. Yuldashev, S. Abidov, and Z. Azimov.	1038	1034
Structure and IR Spectra of para- and ortho-Substituted Bis(triorganosilyl) Benzoylphosphonates – V. M. D'yakov, G. S. Gusakova, E. I. Pokrovskii, and T. L. D'yakova	1040	1035
Reactions of Phosphorus Pentachloride with 2-Methyl-1,3-dioxolanes. II – S. V. Fridland, T. V. Zykova, S. K. Chirkunova, V. A. Kataeva, and G. Kh. Kamai.	1046	1041
PMR Spectra and Structure of Arsonium Salts – T. V. Zykova, G. Kh. Kamai, B. D. Chernokal'skii, R. A. Salakhutdinov, and B. E. Abalonin	1049	1044
Ionic Association of Onium Salts in Solutions. III. Electric Conductivities of Some Arsonium Salts in Acetone, Dimethylformamide, and Nitromethane – V. M. Tsentovskii, V. P. Barabanov, G. Kh. Kamai, B. D. Chernokal'skii, B. E. Abalonin, and T. A. Busygina	1052	1047
Oxidation of Alkali-Metal Tetraalkylaluminates $MAlR_4$ with Oxygen – V. K. Golubev, L. I. Zakharkin, and V. V. Gavrilenko	1056	1051

Volume 41, Number 5, Part 2 May, 1971

Reactions of o-Carboranyllithiums with Quinolinium and Acridinium Salts – A. V. Kazantsev and L. E. Litovchenko	1063	1057

	Engl.	Russ.
Reactions of Bis(arene)chromium Tetraphenylborates with Mercuric Chloride – S. F. Zhil'tsov, A. A. Koksharova, and G. G. Petukhov	1066	1060
Organoboron Compounds. CCXXVIII. Study of the Reactions of Tributylborane with Lithium and Sodium Tetrahydroborates by the ^{11}BNMR Method – V. S. Bogdanov, P. M. Aronovich, A. D. Naumov, and B. M. Mikhailov	1069	1063
Initiated Decarboxylation of Mercuric Cyclohexylacetate and Cyclopentylacetate. Synthesis of (Cyclohexylmethyl)mercury and (Cyclopentylmethyl)mercury Salts – Yu. A. Ol'dekop, N. A. Maier, Yu. D. But'ko, and M. S. Mindel'	1073	1066
Halogenation of Aromatic Silanes. XXVI. Chlorination and Bromination of Trichloro(p-methylbenzyl)silane – G. V. Motsarev, V. I. Kolbasov, A. D. Snegova, V. T. Inshakova, R. V. Dzhagatspanyan, and V. R. Rozenberg	1077	1070
Hydrosilylation Reaction in the (Alkenyloxy)diorganosilane Series – V. F. Mironov, V. L. Kozlikov, and N. S. Fedotov	1083	1077
Reactions of Diethoxyethylaluminum with α-Hydroxy Peroxy Compounds – V. A. Dodonov, L. P. Stepovik, and S. V. Golovina	1088	1082
Reactions of Dichlorodimethyl-, Dichloromethylphenyl-, and Dichlorodiphenylsilanes with 9-Phenanthryllithium – A. I. Nogaideli, T. I. Tabashidze, and Sh. Sh. Barabadze	1092	1086
Condensation of Alkyltriethoxysilanes and Dialkyltetraethoxydisiloxanes with Dichlorodiphenylsilane – K. A. Andrianov, T. V. Vasil'eva, R. A. D'yachenko, B. I. D'yachenko, V. V. Yastrebov, and Yu. E. Raifel'd	1096	1090
Some Carbenoid Reactions of Propyl(trihalomethyl)mercurys and Organothallium Compounds – V. I. Shcherbakov	1100	1095
Synthesis and Reactions of Acetylenic Derivatives of Phthalimide. LXXI. Synthesis and Reactions of Some Unsaturated Phthalimide Derivatives – I. A. Shikhiev, V. V. Kas'yanov, É. A. Akhundov, V. M. Shiraliev, and S. R. Yuzbasheva	1104	1100
Synthesis and Spectral Investigations of Complex Compounds of 1-Vinylazoles with Nickel Chloride – E. S. Domnina, Yu. N. Ivlev, N. I. Shergina, N. N. Chipanina, L. V. Belousova, Yu. L. Frolov, and G. G. Skvortsova	1106	1102
Chemistry of Phenoxazines. III. Polarographic Investigation of 3H-Phenoxazin-3-one and Its Benzo Derivatives – N. P. Shimanskaya, G. B. Afanas'eva, K. I. Pashkevich, L. A. Kotok, I. Ya. Postovskii, and V. D. Bezuglyi	1110	1106
Polarographic Reduction of Naphthoic Esters – N. M. Przhiyalgovskaya, L. Ya. Kheifets, L. I. Dmitrievskaya, and V. D. Bezuglyi	1114	1110
Synthesis and Properties of meso-Acetylporphyrins – A. F. Mironov, V. D. Rumyantseva, M. A. Kulish, T. V. Kondukova, B. V. Rozynov, and R. P. Evstigneeva	1117	1114
Diazo Compounds. XVLI. Photochemical Decomposition of 2-Methoxybenzenediazonium Salts of Heteropoly Acids and Fluoroboric Acid in N,N-Dimethylformamide – V. V. Kozlov, V. P. Sagalovich, and Yu. M. Kulikov	1122	1119
Kinetics of the Hydrolysis of Metal Derivatives of Dialkyldithiocarbamic and Ethylenebisdithiocarbamic Acids in Their Dependence on the pH of the Medium, and Identification of Their Transformation Products – M. A. Klisenko and M. Sh. Vekshtein	1125	1122
Complex Compounds of Metals with Some Nitrogen-Containing Ligands. XXI. Complexes of Aluminum and Scandium Trihalides with Imidazole and Its Derivatives – K. M. Yunusov, N. L. Firsova, A. D. Garnovskii, Yu. V. Kolodyazhnyi, and O. A. Osipov	1131	1128
Investigation of the Ionization of Complexes of Tin Tetrahalides and Antimony Pentachloride in Solvents Containing Mobile Halogen by Electromigration and NMR Methods – Yu. A. Lysenko, L. M. Kapkan, A. N. Vedmedskaya, and V. M. Artemova	1135	1132

Engl./Russ.

Interaction of Functional Groups in Polysubstituted Anilines and Phenols – A. E. Lutskii and G. G. Sheina 1139 1136
Exchange of Radicals in Organometallic Compounds. XIX. Kinetics and Mechanism of the Exchange of Radicals between Triethylaluminum and Ethyl Bromide – A. P. Batalov 1145 1143
Relative Reactivities of Carbofunctional Organosilicon Isocyanates – N. P. Smetankina, N. I. Miryan, and G. F. Belitskaya 1149 1148
Synthesis of Peptides with the Use of Triphenyl Phosphite – Yu. V. Mitin and O. V. Glinskaya 1152 1151
Polysaccharides of Algae. VII. Preliminary Investigation of Polysaccharides of the Red Alga Rhodomela larix (TURN.) C. AG. – A. I. Usov, R. A. Lotov, and N. K. Kochetkov 1156 1154
Polysaccharides of Algae. VIII. Acetolysis of the λ-Polysaccharide from Tichocarpus crinitus (GMEL.) RUPR. – N. K. Kochetkov, A. I. Usov, and M. A. Rekhter 1161 1160
To the Memory of Gil'm Khairevich Kamai – B. D. Chernokal'skii, V. S. Tsivunin, and F. M. Kharrasova 1166 1165

LETTERS TO THE EDITOR

Equilibrium C–H Acidity of Some Phosphine Oxides – É. S. Petrov, E. N. Tsvetkov, M. I. Kabachnik, and A. I. Shatenshtein 1173 1172
Reaction of Dimethyl Isopropenylphosphonate with 2-Diazopropane – A. N. Pudovik, R. D. Gareev, A. V. Aganov, and L. A. Stabrovskaya 1174 1173
Reactions of Ethyl Diphenylphosphinothioite with α-Halo Ethers – E. A. Krasil'nikova, A. I. Razumov, E. V. Bayandina, and V. G. Zaripova 1175 1173
Synthesis of 2-Acetamido-2-deoxy-β-D-glucosides of Monoterpene Alcohols by the Oxazoline Method – E. G. Titkova, S. A. Kozhin, S. É. Zurabyan, and A. Ya. Khorlin 1176 1174
Formation of 1,1,4,4-Tetrachloro-1,4-disilacyclohexa-2,5-diene in the Pyrolysis of Hexachlorodisilane and Octachlorotrisilane in Presence of Acetylene – E. A. Chernyshev, N. G. Komalenkova, and S. A. Bashkirova 1177 1175
Structure of Octamethylcyclotetrasilazane-bis[copper dichloride] – V. B. Losev, F. I. Karabadzhak, and V. V. Orlov 1179 1176

Volume 41, Number 6, Part 1 June, 1971

Twenty-Fourth Congress of the Communist Party of the Soviet Union on the Development of Chemistry in the New Five-Year Plan – A. Ya. Averbukh and P. M. Savel'ev ..... 1181 I
Evaluation of the Acceptor and Donor Powers of Polyhedra of the MO_n Type in Solids and Their Relation to Catalytic Activity – I. M. Kolesnikov 1187 1177
Antimony Trichloride – Isoalkyl Alcohol Systems – V. P. Basov, P. M. Borodin, G. P. Kondratenkov, V. E. Pavlov, and Yu. Ya. Fialkov 1191 1181
Relation of the Extraction Properties of Benzyltrioctylammonium Chloride to the Nature of the Solvent – L. P. Ivanova, R. Kh. Sayakhutdinova, G. V. Illyuvieva, and I. N. Piskunov 1195 1185
Polarographic Reduction of Copper-Based Catalyst Systems in the Oxidative Polycondensation of 2,6-Xylenol – V. N. Epimakhov and A. N. Chuprova 1198 1188
Synthesis of Some Diphenylphosphinic Esters – Kh. Kh. Gurdaliev, N. N. Godovikov, M. I. Kabachnik, and N. E. Teplov 1202 1192
Reactions of Phosphonic Anhydrides with Thiolates and Soidum Hydrosulfide – K. A. Petrov, L. V. Khorkhoyanu, and L. V. Burkina 1206 1196

	Engl.	Russ.
Some 1,3,4,2-Oxadiazaphosphole Derivatives – N. I. Shvetsov-Shilovskii, T. L. Italinskaya, L. V. Putilova, A. I. Khludova, and N. N. Mel'nikov	1210	1200
Reactions of Phosphorohydrazidothioic O,O-Diesters with Sulfonyl Chlorides – V. I. Lamakina, M. V. Kornoukhova, and Ya. A. Mandel'baum	1215	1204
Phosphorotrithioic Esters. III. Reactions of Dipotassium O-Alkyl Phosphorotrithioates with Diols. New Phosphorodithioic Esters – N. A. Kolesnikova, N. I. Zemlyanskii, and B. P. Kotovich	1218	1207
Phosphorodiselenoic O,O,Se-Triesters – R. D. Gorak and N. I. Zemlyanskii	1222	1211
Alkylthionophosphine Sulfides. XI. Synthesis of Metal N,N,P-Trialkylphosphonamidodithioates – O. N. Grishina, I. A. Elfimova, and N. A. Andreev	1224	1213
Phosphorus Esters Containing a Keto Group. II. Ketoaralkyl Phosphates – G. A. Odoeva, G. L. Épshtein, and E. G. Sochilin	1228	1217
Phosphorylated Hydroxy Carboxylic Acids. III. Synthesis, Structure, and Ionization Constants of Phosphorylated α-Hydroxy Carboxylic Acids – A. N. Pudovik, I. V. Gur'yanova, M. G. Zimin, O. E. Raevskaya, M. A. Shakirova, A. Kh. Miftakhova, and V. F. Toropova	1232	1222
Reactions of Tertiary Phosphines with α-Keto Carboxylic Esters – A. N. Pudovik, I. V. Gur'yanova, V. P. Kakurina, and N. P. Anoshina	1237	1227
Diazodiphenylmethane in Reactions with Acetyl- and Benzoyl-phosphonic Esters – A. N. Pudovik, R. D. Gareev, A. V. Aganov, and L. A. Stabrovskaya	1241	1232
Phosphonic, Phosphinic, Phosphonous, and Phosphinous Derivatives. LXXX. Phosphorylated Succinic and Glutaric Esters and Hydrazides – A. I. Razumov, R. K. Ismagilov, and R. L. Yafarova	1248	1239
Ethylenimine Compounds from Substituted P-Phenyl-N-vinylphosphonimidic Dichlorides – L. D. Protsenko, N. Ya. Skul'skaya, and N. D. Bodnarchuk	1250	1242
Reactions of 2-Aryl-1,1,2-ethanetricarbonitriles with Phosphorus Pentachloride – V. I. Shevchenko and N. R. Litovchenko	1252	1243
Reactions of Bis(mercaptomethyl)phosphinic Acid with Aldehydes and Ketones – N. V. Ivasyuk and I. M. Shermergorn	1256	1247
Radiation-Induced Synthesis of Organophosphorus Compounds. II. Products of Radiation-Induced Synthesis from Mixtures of Olefins and Phosphorus Trichloride – É. I. Babkina and I. V. Vereshchinskii	1258	1248
Reactions of Dichlorodiorganosilanes with 10-Alkyl-9-phenanthryllithiums – A. I. Nogaideli, R. Sh. Tkeshelashvili, N. I. Tabashidze, and Sh. Sh. Barabadze	1263	1253
Synthesis of (Trifluoromethyl)phenyl and Bis(trifluoromethyl)phenyl Silicon Derivatives – Yu. A. Larionova, A. I. Ponomarev, A. L. Klebanskii, Yu. A. Yuzhelevskii, N. B. Zaitsev, and V. V. Bogdanova	1266	1256
Organosilicon Compounds. XII. Reactions of Diethylsilane with α-Hydroxy Esters – I. I. Lapkin, T. Yu. Subocheva, and T. N. Povarnitsyna	1272	1263
Reactions Leading to the Formation of Chlorotrimethylsilane – S. A. Golubtsov, G. I. Belik, K. A. Andrianov, and N. G. Morozov	1275	1266
Organosilicon Compounds. XI. Reactions of Thiols with Trialkylsilanes – I. I. Lapkin and A. S. Novichkova	1278	1269
Preparation of Diaryldihalotins and Diaryloxotins – O. P. Syutkina, E. M. Panov, and K. A. Kocheshkov	1280	1271
Diaryloxotins in Reactions with Organic Acids – E. M. Panov, O. P. Syutkina, and K. A. Kocheshkov	1284	1275
Method for the Preparation of Carbofunctional Derivatives of Silacyclohexane – Yu. N. Ogibin and G. I. Nikishin	1286	1277
Preparation and Some Chemical Properties of Silyl- and Germyl-nitroalkenynes – A. I. Vil'davskaya, K. B. Rall', and A. A. Petrov	1289	1279
Action of Acetoxydialkoxyarsines on Acetyl Chloride – G. Kh. Kamai, R. D. Gigauri, B. D. Chernokal'skii, and M. M. Ugulava	1294	1285

Products of Reactions Directed to the Formation of Alkoxytriphenylarsonium Salts – G. Kh. Kamai, B. D. Chernokal'skii, and L. I. Moisak 1297 1287

Volume 41, Number 6, Part 2 June, 1971

Rearrangement of Triethylarsine Sulfide under the Action of Electrophilic Reagents – Yu. F. Gatilov, M. G. Kralichkina, and V. P. Kovyrzina 1301 1291
Decomposition of Bis(acetyldioxy)diethyllead in Alcoholic Solutions – V. D. Mal'kov, V. P. Maslennikov, and V. A. Shushunov 1305 1295
Ionization Constants of p- and m-(2-Substituted o-Carboran-1-yl)benzoic Acids – L. I. Zakharkin, V. N. Kalinin, and A. P. Snyakin 1309 1300
Organoboron Compounds. CCXXV. Reaction of Trimethyl(2-propynyloxy)silane with Triallylborane – B. M. Mikhailov and T. K. Baryshnikova 1313 1303
Dibenzoylmethanato [1,3-Diphenyl-1,3-propanedionato] Compounds of Vanadium(V) – A. V. Savitskii and S. Ya. Skachilova 1317 1308
Organic Derivatives of Elements of Groups V-VII. XIX. aci-Nitro Tautomerism and the Mass Spectra of Nitro Compounds – G. M. Bogolyubov, V. F. Plotnikov, Ya. V. Gal'perin, and K. B. Rall' 1320 1311
Oxidation of Hydroxy Compounds with Cerium(IV) – V. I. Kurlyankina, N. V. Sarana, and O. P. Koz'mina 1324 1315
Complex Compounds of Metals with Some Nitrogen-Containing Ligands. XXIII. Complexes of Indium Trihalides with Azoles – K. M. Yunusov, A. D. Garnovskii, O. A. Osipov, and Yu. V. Kolodyazhnyi . . . 1329 1320
Effect of Ligand on the Properties of Phthalocyanine Compounds – G. A. Yurlova 1333 1325
Complex-Forming Properties of Bis(o-hydroxyaryl)formazans – I. A. Shikhova, M. I. Ermakova, and N. I. Latosh 1337 1329
New Sequestration Agents in the Naphthalene Series – V. Ya. Temkina, N. V. Tsirul'nikova, G. F. Yaroshenko, and M. N. Rusina 1341 1334
Effect of Substituents on the Rate of Hydrogen Exchange of (Arene)tricarbonylchromiums and (Arene)dicarbonyl(triphenylphosphine)-chromiums in an Acid Medium – V. N. Setkina, V. I. Zdanovich, N. K. Baranetskaya, A. I. Yurtanov, K. N. Anisimov, and D. N. Kursanov 1345 1338
Investigation of the Ionization of Esters in Solutions of Titanium Tetrachloride, Tin Tetrachloride, and Antimony Pentachloride by the PMR Method – Yu. A. Lysenko, L. M. Kapkan, and V. I. Medvedeva 1349 1342
Application of Thermography to the Study of Diene Synthesis. VI. Maleic Anhydride Adducts of Cyclopentadiene – B. A. Arbuzov, A. V. Fuzhenkova, G. M. Devyatova, and É. G. Yarkova 1352 1345
Effect of an Inert Solvent on the Kinetics of Deuterium Exchange between Aromatic Amines and Carboxylic Acids – A. I. Serebryanskaya and A. I. Shatenshtein 1357 1351
Synthesis of Some New Azomethines by the Condensation of o-Aminophenol with Aromatic Ketones and the Preparation of Their Internal-Complex Compounds with Copper – V. A. Frolov, A. P. Terent'ev, and Yu. A. Klyachko 1362 1356
1,4-Benzodiazepines and Their Derivatives. V. Polarographic Reduction and Structure of 1,3-Dihydro-2H-1,4-benzodiazepin-2-ones and -benzodiazepine-2-thiones – A. V. Bogatskii, S. A. Andronati, V. P. Gul'tyai, Yu. I. Vikhlyaev, A. F. Galatin, Z. I. Zhilina, and T. A. Klygul' . . 1364 1358
Chelate Compounds of Copper with Tetradentate Ligands – A. P. Terent'ev, Yu. V. Yablokov, E. G. Rukhadze, G. P. Talyzenkova, and V. A. Gaponenko 1369 1363

Complex Compounds of Metals with Some Nitrogen-Containing Ligands. XXII. Complexes of Bivalent Metals with Oxygen- and Sulfur-Containing Anils of the Benzazole Series – A. D. Garnovskii, V. A. Kogan, O. A. Osipov, S. G. Kochin, L. I. Kuznetsova, and G. K. Mitina 1375 1370

Synthesis of Nicotinamidylalkylamidoalkyl Derivatives of 6-(Methylthio)purine – New Nad Analogs – I. N. Gracheva, A. Ya. Veinberg, and G. I. Samokhvalov 1382 1376

L-β-Lysine Peptides. II. Synthesis and Comparative Mass-Spectrometric Study of Peptides Containing L-β-Lysine and L-α-Lysine – L. I. Rostovtseva, A. A. Kiryushkin, and A. S. Khokhlov 1385 1380

Asymmetrically Substituted myo-Inositol Derivatives. VI. Synthesis of 2,3,4,5,6- and 1,2,4,5,6-Penta-O-benzyl-sn-myo-inositols. Total Synthesis of 1-O-(1',2'-Dipalmitoyl-sn-glyceryl-phosphoryl)-sn-myo-inositol – B. A. Klyashchitskii, É. G. Zhelvakova, V. V. Pimenova, V. I. Shvets, R. P. Evstigneeva, and N. A. Preobrazhenskii 1391 1386

Synthesis of a Substituted Heptapeptide Corresponding to the 26-32 Sequence of Cytochrome b_5 – S. D. L'vova, V. M. Kozhukhovskaya, T. A. Volkova, and R. P. Evstigneeva 1398 1393

Dialkylidenemannoses in the Wittig Reaction – Yu. A. Zhdanov and L. A. Uzlova. . . 1401 1396

Quaternary Ammonium Salts Containing Long Alkyl Groups: 1,4-Anhydro-DL-xylitol and 2,4:3,5-Di-O-alkylidene-DL-xylitol Derivatives – V. I. Veksler, L. N. Kovalenko, I. K. Lagert, and A. V. Markovich 1404 1399

Synthesis of the Dimer of a Protected Octapeptide with the 1-8 Sequence of the B Chain of Insulin – M. I. Titov and Z. A. Ardemasova 1408 1403

LETTERS TO THE EDITOR

Reaction of Acetyl Dibutyl Phosphite with Acrolein – L. I. Mizrakh, V. I. Mamonov, V. I. Svergun, and L. N. Kozlova 1411 1406

Phosphorisocyanatidothioic Difluoride and Phosphorodiisocyanatidothioic Fluoride – V. A. Shokol and L. I. Molyavko 1412 1406

Synthesis of a 1-Silylalkyl Vinyl Ether – N. N. Vlasova and I. I. Tsykhanskaya 1413 1407

Synthesis of Chalcogen-Containing Germylmercury Compounds – M. N. Bochkarev, L. P. Maiorova, A. I. Charov, and N. S. Vyazankin 1414 1408

Reactions of Bis(triethylsilyl)- and Bis(triethylgermyl)-mercurys with Mercuridiacetone – O. A. Kruglaya, Yu. I. Baukov, B. I. Petrov, and N. S. Vyazankin 1415 1408

Hexakis- and Octakis-[bis(trifluoromethyl)aminooxy]cyclophosphonitriles – P. O. Gitel', L. F. Osipova, and L. I. Kostikin 1416 1409

Reactions of Fluorine-Containing Ketones with Nitroacetic Ester – V. F. Martynov and V. M. Grebenkina 1417 1410

Reactions of Halogen Derivatives of Ethylene with Perchloryl Fluoride in Presence of Lewis Acids – I. V. Vigalok and A. V. Ostrovskaya 1418 1410

Chemical Reactions Occurring in Casper-Pimentel Perfluoroalkyl Iodide Lasers – G. A. Skorobogatov and V. M. Smirnov 1419 1411

Synthesis of (±)-Oleuropeinic Acid – A. A. Drabkina, O. V. Efimova, and Yu. S. Tsizin 1421 1412

Synthesis of an Oxytocin Analog with Lysine in the Fourth Position – O. A. Kaurov, V. F. Martynov, and Yu. D. Mikhailov 1422 1413

Volume 41, Number 7, Part 1 July, 1971

Ternary Systems Formed by Sodium Formate, Acetate, Propionate, Nitrate, and Thiocyanate–N. M. Sokolov and M. V. Khaitina 1423 1417

Coordination Compounds of Niobium Pentachloride with Alkyl Alkanoates —L. V. Surpina, Yu. V. Kolodyazhnyi, and O. A. Osipov 1426 1420
Nickel Chelates with o-Amino Azo Compounds—V. A. Kogan, T. A. Zhuchenko, O. A. Osipov, and N. A. Ivanova 1429 1423
(Dialkoxyphosphinyl) Acetic Acids and some of Their Analogs—R. A. Malevannaya, E. N. Tsvetkov, and M. I. Kabachnik 1432 1426
Phosphorotrithioic Esters. IV. Reactions of Dipotassium O-Alkyl Phosphorotrithioates with Dihydric Phenols. New Phosphorodithioic Esters—N. A. Kolesnikova, N. I. Zemlyanskii, and B. P. Kotovich 1440 1434
Reactions of O-Ethyl Methyl- and Dimethyl-Phosphoramidochloridothioates with Substituted Benzyl Chlorides—A. F. Prokof'eva, N. N. Mel'nikov, and I. L. Vladimirova 1443 1437
Amides and Hydrazides of Phosphonic and Phosphonothioic Acids—A. F. Grapov, O. B. Mikhailova, L. V. Razvodovskaya, and N. N. Mel'nikov 1447 1441
Reactions of Acid Chlorides and Amides of O-Ethyl Hydrogen Methylphosphonates and Methylphosphonothioates with Amides and Acid Chlorides of Carboxylic Acids Respectively—L. V. Razvodovskaya, N. N. Mel'nikov, N. V. Lebedeva, and A. F. Grapov 1452 1446
Neutral Hypodiphosphorous Esters—É. E. Nifant'ev, A. I. Zavalishina, and I. V. Komlev 1457 1451
Synthesis of N-[(t-Butyldioxy)diphenylphosphoranylidene]arenesulfonamides and N-[(t-Butyldioxy)phenylphosphinyl]arenesulfonamides — T. L. Yurzhenko and A. G. Babyak 1460 1454
N-(Haloacyl)-2,2',2"-Triphenylphosphorimidic Trihydrazides — V. P. Rudavskii, V. I. Kondratenko, and M. N. Kucherova 1462 1456
Reactions of Phosphorimidic Trichlorides with Dimethylformamide—V. P. Kukhar', V. Ya. Semenii, and A. V. Kirsanov 1465 1459
(Dialkoxyphosphinyl)acetic Acids and Their Derivatives—N. D. Bodnarchuk, V. V. Malovik, G. I. Derkach, and A. V. Kirsanov 1470 1464
Polarographic Investigation of Complex Compounds of Certain Metals with Derivatives of Phosphorus Dithio Acids—V. F. Toropova, R. A. Cherkasov, N. I. Savel'eva, V. N. Gorshkova, and A. N. Pudovik 1474 1469
Synthesis and some Properties of Organolead Phosphorodithioates—A. N. Pudovik, R. A. Cherkasov, and I. V. Shergina 1477 1472
Addition of Diazomethane to Propadienyl- and 1-Propynyl-phosphonic Esters —A. N. Pudovik, N. G. Khusainova, T. V. Timoshina, and O. E. Raevskaya 1481 1476
Interaction of Diethylphosphinous Esters with Tin Tetrachloride and Tetrabromide —A. N. Pudovik, A. A. Muratova, É. G. Yarkova, and M. D. Medvedeva 1486 1481
Reactions of Ethyl Hydrogen Diethylphosphoramidite with α-Oxo Carboxylic and α-Oxo Phosphonic Esters—A. N. Pudovik, I. V. Gur'yanova, G. V. Romanov, and L. G. Rakhimova 1490 1485
Substituted Vinylphosphonic Derivatives. VI. Reactions of Phosphorus Pentachloride with Acetals, Ketals, and Acylals—V. V. Moskva, G. F. Nazvanova, T. V. Zykova, and A. I. Razumov 1494 1489
Substituted Vinylphosphonic Derivatives. VII. Reactions of Phosphorus Pentachloride with Unsymmetrical Ketals—V. V. Moskva, G. F. Nazvanova, T. V. Zykova, and A. I. Razumov 1497 1493
Substituted Vinylphosphonic Derivatives. VIII. Reactions of (2-Alkoxy-1-halovinyl)-phosphonic and -phosphonothioic Diesters and Dichlorides with Alkoxides —V. V. Moskva, V. M. Ismailov, and A. I. Razumov 1499 1495
Phosphonic, Phosphinic, Phosphonous, and Phosphinous Derivatives. LXXVIII. Reaction of Ethyl Diethylphosphinothioite with Chloroformic Esters—A. I. Razumov, E. A. Krasil'nikova, N. A. Moskva, T. V. Zykova, and R. A. Salakhutdinov 1502 1498
Phosphonic, Phosphinic, Phosphonous, and Phosphinous Derivatives. LXXIX. Reaction of Diethyl Ethylphosphonodithioite with Chloroformic Esters—E. A. Krasil'nikova, N. A. Moskva, A. I. Razumov, and G. V. Shtatnova 1506 1502

New Method for the Synthesis of Trialkyl- and Triaryl-arsines — G. Kh. Kamai, R. D. Gigauri, B. D. Chernokal'skii, and M. M. Ugulava 1510 1506
PMR Spectra and Structure of Ethylarsine Derivatives—T. V. Zykova, G. Kh. Kamai, B. D. Chernokal'skii, R. A. Salakhutdinov, and B. E. Abalonin 1513 1508
Synthesis and Investigation of the Properties of Complexes of the Type $R_4EAl(C_2H_5)_4$ and R_4EAlH_4 in which E = P, As, Sb—V. V. Gavrilenko, Yu. N. Karaksin, and L. I. Zakharkin 1516 1511
Electrophilic and Nucleophilic Constants of o- and m-Carboran-1-yl and o-Carboran-3-yl Groups—L. I. Zakharkin, V. N. Kalinin, and A. P. Snyakin 1521 1516
Peculiar Features of the Reactions of Lithium and Magnesium Derivatives of o-, m-, and p-Carboranes with Chlorine and Carbon Tetrachloride—V. I. Stanko and G. A. Anorova 1526 1521
Organoboron Compounds. CCXXX. Reactions of the Heptahydrodiborate Ion and Its Trialkyl Derivatives with Anils—P. M. Aronovich, M. N. Bochkareva, and B. M. Mikhailov 1531 1526

Volume 41, Number 7, Part 2 July, 1971

Organoboron Compounds. CCXXXI. Molecular Complexes of Triallylborane with Pyridine Bases and Trimethylamine — V. S. Bogdanov, T. K. Baryshnikova, V. G. Kiselev, and B. M. Mikhailov 1537 1533
Organoboron Compounds. CCXXXII. Hydroboration of Schiff Bases — B. M. Mikhailov and L. S. Povarov 1544 1540
Organoboron Compounds. CCXXXIII. Association of 2-Butyl-1,2-azaborolidine and Some Noncyclic Aminoboranes — B. M. Mikhailov, M. N. Bochkareva, V. S. Bogdanov, O. G. Boldyreva, and V. A. Dorokhov 1550 1546
Boroditartrates and Borodicitrates of Long-Chain Secondary Amines — A. A. Bernane, E. M. Shvarts, and A. F. Ievin'sh 1554 1550
Organoberyllium Compounds and Their Chemical Reactions. V. Reactions of Acylhaloberylliums with Aromatic Nitro Compounds — I. I. Lapkin, N. F. Tenenboim, and N. E. Evstafeeva 1558 1554
Reactions of Dicyclopentadienyl Compounds of Titanium and Vanadium with Nitrobenzoyl Peroxides — G. A. Razuvaev, V. N. Latyaeva, and A. N. Lineva 1560 1556
Reactions of Organocalcium Compounds with 3-Buten-1-ynyltrimethylsilane — L. N. Cherkasov 1565 1561
Synthesis and Properties of Chloro(diethylamino)diorganosilanes with Aromatic Substituents on the Silicon Atom — I. V. Sevast'yanova, A. I. Ponomarev, A. L. Klebanskii, N. B. Zaitsev, and N. N. Stepanova 1568 1563
Organic Peroxy Compounds of Group IV Elements. IV. Thermal Decomposition of Organosilicon Peroxides of Structure $(CH_3)_3SiOOR$ — V. A. Yablokov, N. V. Yablokova, A. P. Tarabarina, and M. N. Shemuranova 1570 1565
Catalytic Action of Tricarbonylcyclopentadienylmanganese in the Hydrosilylation of Isoalkenes — K. A. Andrianov, O. M. Rad'kova, S. A. Golubtsov, and N. G. Morozov 1574 1569
Reactions of 1-Butaneselenol with Alkoxy- and (Diethylamino)-triethylgermanes and Their Si and Sn Analogs — I. A. Vostokov, V. T. Bychkov, and Yu. I. Dergunov 1578 1572
Halogenation of Aromatic Silanes. XXV. Chlorination of Dichloroethylphenylsilane — G. V. Motsarev, V. T. Inshakova, V. I. Kolbasov, and R. V. Dzhagatspanyan 1580 1573

Engl./Russ.

Unsaturated Stanna Hydrocarbons. XXII. Synthesis of Functionally Substituted Triethylethynyltins Containing Group IVB Elements (C, Si, Ge) – V. S. Zavgorodnii, É. S. Sivenkov, and A. A. Petrov 1584 1577
Nitrogen-Containing Organosilicon Compounds. XXVIII. Hydrosilylation of 1-(2-Propynyl)piperidine, Hexahydro-1-(2-propynyl)azepine, and 4-(2-Propynyl)morpholine – É. Lukevits, A. E. Pestunovich, V. A. Pestunovich, É. É. Liepin'sh, and M. G. Voronkov 1591 1585
Relative Reactivities of the Multiple Bonds of Various Unsaturated Groups in Alkenyl- and Alkynyl-silanes in Hydrosilylation, Hydrogermylation, and Hydrostannylation Reactions – T. K. Gar, A. A. Buyakov, A. V. Kisin, and V. F. Mironov 1596 1589
Lithium and Magnesium Derivatives of N-Substituted Indazoles – B. A. Tertov and P. P. Onishchenko 1601 1594
Synthesis and Some Reactions of Mercury Derivatives of Diethyl Tetrahydro-3,6-diphenyl-1,2-pyridazinedicarboxylate – Yu. S. Shabarov, L. D. Sychkova, A. N. Kalinichenko, and R. Ya. Levina 1606 1599
Molecular Complexes of Zinc Chloride with Certain Organic Substances – V. A. Kuznetsova, A. F. Nikolaev, M. É. Rozenberg, and G. S. Popova 1609 1602
L-β-Lysine Peptides. III. Synthesis and Mass-Spectrometric Study of L-β-Lysine Peptides – L. I. Rostovtseva, E. A. Markelova, A. A. Kiryushkin, and A. S. Khokhlov 1611 1604
L-β-Lysine Peptides. IV. Structure and Synthesis of Dipeptide Isolated from Streptothricin D – L. I. Rostovtseva, A. A. Kiryushkin, and A. S. Khokhlov 1618 1611
Peptides with Nonnatural Amino Acids. II. Dipeptides Based on DL-3-(Pyridyl)alanines and Glycine – B. L. Krainova, G. A. Agafonova, and E. S. Chaman 1623 1617
Synthesis of Fragments of the β-Chain of Human Hemoglobin. II. Synthesis of Protected Peptide Corresponding to the Sequence 57-63 – V. P. Chernyshev, E. I. Filippovich, and R. P. Evstigneeva 1626 1620
Synthesis of Fragments of the β-Chain of Human Hemoglobin. III. Synthesis of Substituted Peptides Corresponding to the Sequences 89-92 and 93-95 – L. I. Korsuntseva, E. I. Filippovich, and R. P. Evstigneeva 1629 1623
Amino Acid and Peptide Derivatives of (Aminoalkyl)indoles. V. Synthesis of Glutathionyl-5-methoxytryptamine – L. A. Shchukina, L. A. Davankova, A. D. Neklyudov, and N. N. Suvorov 1633 1626
Reactions of Adenosine Derivatives with Halotriphenylphosphoranes – S. G. Verenikina, E. G. Chauser, and A. M. Yurkevich 1636 1630
Dipole Moments of 1-Substituted Adamantanes – I. B. Mazheika, I. S. Yankovskaya, and Ya. Yu. Polis 1640 1633
Reduction of Δ^4-3-Keto Steroids with Alkali Metals in Ethers – V. I. Mel'nikova, V. N. Zontova, and K. K. Pivnitskii 1643 1636

LETTERS TO THE EDITOR

Todd-Atherton Reaction with Tervalent Phosphorus Acids – É. E. Nifant'ev, V. S. Blagoveshchenskii, A. M. Sokurenko, and L. S. Sklyarskii 1651 1644
Synthesis of Peroxyphosphinic and Diperoxyphosphonic Esters – T. I. Yurzhenko and B. I. Kaspruk 1652 1644
Reactions of Vinyl Isocyanate with Phosphorus Pentachloride and with Diethyl (Chlorothio)phosphonate – V. V. Doroshenko, E. A. Stukalo, and A. V. Kirsanov 1653 1645
Unsaturated Stanna Hydrocarbons. Reactions of Triethylstannyl Derivatives of Alkali Metals with Alkyl Ethynyl Sulfides – T. P. Zubova, V. S. Zavgorodnii, V. N. Strelets, and A. A. Petrov 1655 1646
Bis(triphenylgermyl)carbodiimide – Yu. I. Dergunov and I. A. Vostokov 1656 1647

Engl./Russ.

Volume 41, Number 8, Part 1 August,1971

Forms of Existence of Higher Chloride Complexes of Zinc and Cadmium in Aqueous Solutions – V. A. Latysheva and I. N. Andreeva. 1657 1649
Effect of the State of the Solute on the Coefficient of Thermal Expansion of the Solution – B. S. Krumgal'z, K. P. Mishchenko, and L. V. Tsvetkova 1661 1653
Reciprocal System of Sodium and Potassium Formates and Propionates – N. M. Sokolov and S. P. Minchenko 1664 1656
Ionic Association of Onium Salts in Solutions. IV. Electric Conductivity of Tetraalkyl(aryl)phosphonium Halides in Acetone, Dimethylformamide, and Nitromethane – V. M. Tsentovskii, V. P. Barabanov, F. M. Kharrasava, and T. A. Busygina. 1667 1659
PMR Spectra and Structure of (β-Chlorostyryl)phosphonic Derivatives – A. V. Dogadina, Yu. D. Nechaev, B. I. Ionin, and A. A. Petrov. 1670 1662
Reactions of Monothio Acids of Phosphorus with Tin Tetrahalides – A. A. Muratova, É. G. Yarkova, I. Ya. Kuramshin, and A. N. Pudovik 1676 1668
Stability of Complex Compounds of Silver, Nickel, and Cobalt Ions with Derivatives of Dithio Acids of Phosphorus – V. F. Toropova, R. A. Cherkasov, N. I. Savel'eva, L. A. Grigor'eva, I. V. Shergina, V. V. Ovchinnikov, and A. N. Pudovik 1681 1673
Substituted Vinylphosphonic Derivatives. IX. Possibility of Thione-Thiol Isomerization in (2-Alkoxyvinyl)phosphonothioic Derivatives – V. V. Moskva, V. M. Ismailov, T. V. Zykova, and A. I. Razumov 1684 1676
Substituted Vinylphosphonic Derivatives. X. (2-Alkoxy-1-alkylvinyl)-phosphonic and -phosphonothioic Derivatives – V. V. Moskva, G. F. Nazvanova, T. V. Zykova, A. I. Razumov, and L. A. Chemodanova 1687 1680
Reactions of Arylphosphonous Dichlorides with Ketones – S. Kh. Nurtdinov, R. S. Khairullin, T. V. Burmakina, T. V. Zykova, R. A. Salakhutdinov, V. S. Tsivunin, and G. Kh. Kamai 1692 1685
New Thermostable Phosphorous Esters – V. Kh. Kadyrova, P. A. Kirpichnikov, N. A. Mukmeneva, G. P. Gren, and N. S. Kolyubakina 1696 1688
O,O-Dialkyl and O,O-Diphenyl Hydrogen Phosphorodiselenoates and Their Salts – N. I. Zemlyanskii and R. D. Gorak 1699 1691
Phosphoroselenothioic Esters. V. Alkoxymethyl O,O-Diphenyl Phosphoroselenothioates – N. M. Vatamanyuk, V. V. Turkevich, and A. P. Vas'kiv 1701 1693
Phosphonium Salts and Phosphoranes with Condensed Aromatic Nuclei in the Alkylidene Part of the Molecule – M. I. Shevchuk, A. S. Antonyuk, and A. V. Dombrovskii 1703 1696
Synthesis of Some 2-Thienylphosphonous Esters – D. A. Akhmedzade, V. D. Yasnopol'skii, and M. M. Guseinova. 1709 1701
Organic Insectofungicides. Reactions of Substituted Benzyl Chlorides with Dialkyl Hydrogen Phosphites, O,O-Dialkyl Hydrogen Phosphorothioites, and Trialkyl Phosphites – A. F. Prokof'eva, N. N. Mel'nikov, I. L. Vladimirova, and L. I. Élnisman 1710 1702
Organic Derivatives of Elements of Groups V-VII. XX. Exact Compositions of Ions in Mass Spectra of Alkylphosphine Sulfides, and the Strength of the P=S Bond – G. V. Fridlyanskii, V. A. Pavlenko, B. A. Vinogradov, N. N. Grishin, G. M. Bogolyubov, and A. A. Petrov 1714 1707
Organic Derivatives of Elements of Groups V-VII. XXI. Mass Spectra of Trialkylarsines and Tetraalkyldiarsines. Effect of Alkyl Substitution on the Strength of the Bonding of Adjacent Hetero Atoms – G. M. Bogolyubov, N. N. Grishin, and A. A. Petrov 1717 1710
Organoboron Compounds. CCXXXV. Mechanism of the Transalkylation of Organoboron Compounds – B. M. Mikhailov and M. E. Kuimova 1721 1714

Engl./Russ.

Organoboron Compounds. CCXXXVI. Reactions of 1,4-Naphthoquinone with Trialkylboranes – B. M. Mikhailov, G. S. Ter-Sarkisyan, and N. A. Nikolaeva 1728 1721
Electronic Effects of Dicarbadodecaborane(14) Mono- and Di-anions – L. I. Zakharkin, V. N. Kalinin, B. A. Kvasov, and A. P. Snyakin 1732 1726
S-Derivatives of (p-Dimethylaminophenyl)- and (p-Diethylaminophenyl)-mercaptomercurys – A. I. Busev, L. I. Teternikov, Yu. A. Mittsel', and V. K. Akimov 1736 1730
Exchange of Radicals in Organometallic Compounds. XXI. Inhibiting Effect of Lithium Halides on the Exchange of Radicals between Phenyllithium and Bromobenzene – A. P. Batalov and G. A. Rostokin 1740 1735
Exchange of Radicals in Organometallic Compounds. XXII. Catalytic Effect of Tetraalkylammonium Halides on the Exchange of Radicals between Phenyllithium and Bromobenzene – A. P. Batalov and G. A. Rostokin 1743 1738
Cohydrolysis of Lower and Higher Organochlorosilanes – K. A. Andrianov, D. A. Kochkin, B. A. Izmailov, T. M. Karaseva, L. A. Sukhareva, and P. I. Zubov 1747 1742
Polyfluoroaromatic Derivatives of Silicon. V. [(1H,1H,5H-Octafluoropentyloxy)polyfluorophenyl]silanes – Yu. A. Yuzhelevskii, E. B. Dmokhovskaya, E. G. Kagan, G. P. Tataurov, N. B. Zaitsev, A. V. Kharlamova, and E. P. Sergeeva 1753 1747
Oxidation of Bis(triphenylgermyl)mercury with Oxygen – V. N. Glushakova and Yu. A. Aleksandrov 1758 1751
Nature of Primary Reactions in the Decomposition of Heteroorganic Peroxides in Hydrocarbons – Yu. A. Aleksandrov and O. N. Druzhkov 1760 1753
New Acetylenic Organosilicon Amines – É. V. Serebrennikova, O. G. Yarosh, T. D. Burnashova, Z. G. Ivanova, and N. V. Komarov 1763 1756
Kinetics of the Epoxidation of Enynic Sila Hydrocarbons with Peroxymaleic Acid – M. S. Malinovskii, N. G. Krivosheeva, V. G. Dryuk, M. P. Khmel', and A. G. Yudasina 1767 1760
Reactions of Compounds with an Si–N–C–X System of Bonds. VII. Kinetics of the β-Breakdown of Methyl [(Methoxymethylsilyl)methyl](trimethylsilyl)carbamates – V. D. Sheludyakov, F. N. Vishnevskii, E. S. Rodionov, G. D. Khatuntsev, and V. F. Mironov 1771 1764

Volume 41, Number 8, Part 2 August, 1971

Telomerization of 1,1-Dimethylsilacyclobutane under the Action of 1,1,3,3-Tetramethyldisiloxane – V. M. Vdovin, N. N. Alekhin, and N. S. Nametkin. 1775 1767
Reactions of (Alkynyloxy)tin Compounds with Ketene – R. G. Mirskov, V. G. Chernova, and V. K. Voronov 1779 1771
Comparative Rates of Hydrolysis of Chlorotrimethyl Derivatives of Group IVB Elements (Mesoides) – M. G. Voronkov and L. A. Zhagata 1784 1776
Mechanism of the Decomposition of Tetramethyltitanium – F. S. D'yachkovskii and N. E. Khrushch 1787 1779
Physicochemical Properties of Tributylisocyanatotin and Bis(tributylstannyl)carbodiimide – E. Z. Zhuravlev, V. F. Gerega, and Yu. I. Dergunov 1792 1783
Complexes of Rare-Earth Elements and Scandium with 4-(2-Pyridylazo)resorcinol – V. I. Egorova and V. N. Kumok 1795 1786
Thermal Decomposition of Magnesium Iodide m-Dioxane Complexes. II – V. I. Esafov and V. I. Azarova 1797 1787

Engl./Russ.

Hydrolysis of 2-Phosphorylated Glycocyamidines – M. P. Alimov, V. E. Bel'skii, and P. I. Alimov. 1799 1789
Semicarbazones and Thiosemicarbazones of the Heterocyclic Series. XIII. Reactions of (o-Hydroxyphenyl)- and (o-Aminophenyl)-glyoxylic Acid Thiosemicarbazones – A. B. Tomchin, I. S. Ioffe, and E. A. Rusakov 1801 1791
Semicarbazones and Thiosemicarbazones of the Heterocyclic Series. XIV. Benzo[b]thiophene-2,3-dione β-Thiosemicarbazone – A. B. Tomchin, I. S. Ioffe, and T. L. Bryzzheva 1807 1797
Semicarbazones and Thiosemicarbazones of the Heterocyclic Series. XV. Reactions of α-Derivatives of Benzo[b]thiophene-2,3-dione – A. B. Tomchin, I. S. Ioffe, T. L. Bryzzheva, and G. A. Shirokii 1812 1803
Synthesis of Complex-Forming Compounds. 3,3'-[Ethylenebis[(2-sulfoethyl)-imino]]dipropionic Acid and Its Properties – L. G. Egorova, N. V. Serebryakova, and G. N. Tyurenkova 1816 1807
Synthesis of Complex-Forming Compounds. 2,2'-[N-(Carboxymethyl-N'-(phosphomethyl)ethylenediimino]diethanesulfonic Acid (CPESS) – N. V. Serebryakova, L. G. Egorova, and G. N. Tyurenkova 1821 1812
Reactivity and Tautomerism of Azolidines. VII. Potentiometric Determination of Tautomeric Equilibrium Constants – A. I. Ginak, K. A. V'yunov, and E. G. Sochilin 1824 1815
Effect of Solvents on the Kinetics of Isomerization with Double-Bond Migration in Catalysis by Potassium t-Butoxide – A. I. Shatenshtein, E. A. Gvozdeva, and Yu. I. Ranneva 1827 1818
Study of Interaction in the Systems $C_6H_5N(CH_3)_2$–CF_3COOH and $C_6H_5N(CH_3)_2$–CH_3COOH by the PMR Method – O. A. Yuzhakova, L. N. Kurkovskaya, N. N. Shapet'ko, and A. I. Shatenshtein 1833 1824
Complex Compounds of Metals with Some Nitrogen-Containing Ligands. XXIV. Complexes of Transition Metals with 2-(Arylazo)imidazole Compounds – A. D. Garnovskii, L. I. Kuznetsova, Yu. P. Andreichikov, O. A. Osipov, Yu. V. Kolodyazhnyi, V. I. Minkin, V. A. Bren', A. M. Simonov, and N. I. Avdyunina 1838 1829
Reformatsky Reaction in the Carbohydrate Series – Yu. A. Zhdanov, Yu. E. Alekseev, and Kh. A. Kurdanov 1845 1836
Reactivity of Secondary Hydroxy Groups in Methyl β-D-Galactopyranoside – I. E. Valashek, M. K. Shakhova, O. S. Chizhov, B. M. Zolotarev, and G. I. Samokhvalov 1848 1839
Synthesis of 2-Deoxy-3-(alkoxycarbonyl) Aldonic Esters – Yu. A. Zhdanov and L. A. Uzlova 1853 1844
Compounds of Gallium Chloride with 3-Phenyl-β-alanine and Their Thermal Deamination – K. I. Arsenin and I. A. Sheka 1857 1848
Synthesis of Guanylyl(3'→5')cytidine 2',3'-Cyclophosphate Modified in the Guanine – A. P. Kavuenenko, É. N. Morozova, and N. S. Tikhomirova-Sidorova 1860 1852
Solid-Phase Synthesis of [1-(β-Aspartic Acid)-5-valine]angiotensin II – I. K. Romanovskaya and G. I. Chipens. 1864 1856
Synthesis of [2-Glycine-5-valine]angiotensin II and Some of Its Derivatives – A. P. Pavar, Z. P. Auna, and G. I. Chipens 1867 1859
Synthesis of 4-Amino Derivatives of Ethyl 4-Deoxy-α-DL-lyxopyranoside – V. B. Mochalin, Z. I. Smolina, and B. V. Unkovskii 1871 1863
Monosaccharides. XXIV. Synthesis of Some Monosaccharide Sulfamates – N. K. Kochetkov, A. I. Usov, and V. V. Deryabin. 1874 1866

LETTERS TO THE EDITOR

Anionotropic Transformation of N-(Chloroformyl)-P,P-bis(trichloromethyl)-phosphinimidic Chloride – O. I. Kolodyazhnyi, L. I. Samarai, and S. N. Gaidamaka 1879 1872

	Engl.	Russ.
Rearrangement of 2-(Diphenylphosphinyl)acetohydroxamic Acid – O. A. Mukhacheva, V. G. Nikolaeva, and A. I. Razumov	1880	1873
Reactions of (Formylmethyl)phosphonic Esters with Secondary Amines – V. V. Moskva, A. I. Razumov, Z. Ya. Sazonova, and T. V. Zykova	1882	1874
Reactions of Dialkyl Phosphorochloridites with 2-Mercaptoethanol – P. M. Zavlin, É. R. Rodnyanskaya, A. I. D'yakonov, and V. M. Al'bitskaya	1883	1874
New Variant of Arbuzov Rearrangement – A. V. Bogat-skii, T. D. Butova, and A. A. Kolesnik	1884	1875
Stereoisomerism of Propylene Hydrogen Phosphite – É. E. Nifant'ev, I. S. Nasonovskii, and A. A. Borisenko	1885	1876
Relation between Structural Criteria and Extraction Powers of Neutral Organophosphorus Compounds – E. A. Belousov and V. M. Kirillov	1886	1876
Synthesis of 1,3-Dienic Sila Hydrocarbons and Their Carbofunctional Derivatives by the Wittig Reaction – N. N. Belyaev and M. D. Stadnichuk	1888	1877
π-Cyclopentadienyl(triethylgermyl)(triphenylphosphine)nickel – V. I. Ermolaev, Yu. A. Sorokin, E. N. Gladyshev, N. S. Vyazankin, and G. A. Razuvaev	1889	1878
New Complex Acetylenic Platinum Hydrosilylation Catalyst – V. B. Pukhnarevich, S. P. Sushchinskaya, B. A. Trofimov, and M. G. Voronkov	1890	1879
Addition of Alkoxygermanes to Alkyl Ethynyl Ethers – L. K. Garsia, M. A. Kazankova, and I. F. Lutsenko	1891	1879
Replacement of the CO Group by $(C_6H_5)_3P$ in Complexes – L. I. Zakharkin and A. I. L'vov	1892	1880
Synthesis and Some Properties of (α,α-Dimethylbenzyldioxy)ethylmercury – V. I. Buzulukov and V. P. Maslennikov	1893	1881
Solid-Phase Disproportionation Reactions of Mercury Compounds – R. G. Mikaélyan, A. P. Baranov, A. K. Mal'tsev, and O. M. Nefedov	1894	1881
Kinetics of the Formation of Acylcarbonylcobalts in the Catalytic Hydroformylation of 1-Hexene – G. P. Vysokinskii and V. Yu. Gankin	1895	1882
Oxidation of Sulfides with Hydroperoxides in Presence of Molybdenum Salts – G. A. Tolstikov, U. M. Dzhemilev, N. N. Novitskaya, V. P. Yur'ev, and R. G. Kantyukova	1896	1883
Zinc Complexes of o-Aminobenzeneselenol Anils: a New Type of Selenium-Containing Metal Chelates – A. D. Garnovskii, L. S. Minkina, L. V. Sakhashchik, V. P. Kurbatov, and O. A. Osipov	1897	1884
Synthesis of 1,2 : 4,5-Di-O-cyclohexylidene-myo-inositol – M. S. Sadovnikova, B. A. Klyashchitskii, V. I. Shvets, and R. P. Evstigneeva	1899	1885

Volume 41, Number 9, Part 1 September, 1971

Interaction of Aquo Cations with Water in Binary Solutions of Electrolytes – V. A. Latysheva	1901	1889
Derivatographic Investigations of Isomorphous Mixtures – M. I. Ermolaev, N. I. Morozova, and V. V. Solodov	1905	1893
Equilibrium of Liquid Phases in Systems of Cyclohexane and Methanol with Naphthalene, with Diphenylamine, and with Benzoic Acid – V. F. Sergeeva, L. A. Eskaraeva, I. Z. Usmanova, and V. A. Glybovskaya	1908	1895
Effect of Polyethylene Oxide on the Polarographic Reduction of Some Organic Depolarizers – V. N. Epimakhov and L. M. Shapkina	1912	1899
Polarographic Study of 2-(Arylimino)-4-thiazolidinones – Yu. V. Svetkin, Kh. F. Bikbaeva, and R. I. Khusnutdinov	1917	1904

Peculiar Features of the Electrochemical Reduction of Salicylic Acid – V. A. Ékel', R. F. Ramakaeva, N. M. Przhiyalgovskaya, and L. Ya. Kheifets 1921 1908
Polarographic Behavior of Thiobenzoic and Thio-2-furoic S-Esters – I. K. Tumane, Ya. P. Stradyn', B. V. Kurgane, and S. A. Giller..... 1925 1912
Thermographic Investigation of Organometallic Compounds. III. Thermal Decomposition of Ethyl Derivatives of Bis(benzene)chromium – N. N. Travkin, V. P. Rumyantseva, and B. G. Gribov..... 1929 1916
Reduction of Copper(II) Thiocyanates with Phosphine in Solutions – D. V. Sokol'skii, Ya. A. Dorfman, and V. S. Emel'yanova..... 1931 1918
NMR Spectrum of s-Butyllithium – V. P. Shatalov, V. S. Glukhovskoi, Yu. A. Litvin, É. S. Kostin, A. R. Samotsvetov, and L. V. Kovtunenko 1935 1921
Catalytic Reduction of Tetraphenyllead in Reaction with Dichlorodiallyldipalladium – G. A. Domrachev, K. G. Shal'nova, and V. A. Varyukhin..... 1938 1924
Azolides of Carbamic Acids. I. Dissociation of Imidazole-1-carboxanilides – A. A. Zalikin, L. P. Nikitenkova, and Yu. A. Strepikheev 1940 1925
Study of the Reactivities of the Isomeric Thienothiophenes and Benzo[b]thiophene by the Deuterium Exchange Method. II. Kinetics of Exchange with a Base – T. A. Yakushina, I. O. Shapiro, E. N. Zvyagintseva, V. P. Litvinov, S. A. Ozolin', Ya. L. Gol'dfarb, and A. I. Shatenshtein..... 1945 1930
Ultraviolet Spectra of Aziridides of Phosphorus Acids – L. D. Protsenko and N. Ya. Skul'skaya 1949 1933
Ionization Constants of Phosphorus Dithio Acids in Absolute Ethanol – T. A. Mastryukova, L. L. Spivak, A. A. Grigor'eva, E. K. Urzhuntseva, and M. I. Kabachnik..... 1953 1938
Synthesis of S-2-(Arylmethylamino)ethyl Diphenylphosphinothioates and Their Methiodides – N. N. Godovikov, Kh. Kh. Gurdaliev, and M. I. Kabachnik 1957 1942
Hydrogenation of Organophosphorus Compounds. V – L. P. Zhuravleva, M. G. Suleimanova, A. P. Marchenko, M. I. Z'ola, N. N. Kovalyukh, and A. V. Kirsanov 1960 1944
Derivatives of Dibenzylphosphinic Acids – L. P. Zhuravleva, M. G. Suleimanova, N. N. Kovalyukh, and A. V. Kirsanov..... 1966 1950
Reactivity and Structure of Phosphorylated Carbonyl Compounds. VII. NMR and IR Spectra of (Dialkoxyphosphinyl)acetaldehydes [Dialkyl (formylmethyl)phosphonates] – A. I. Razumov, G. A. Savicheva, T. V. Zykova, M. P. Sokolov, B. G. Liorber, and R. A. Salakhutdinov 1970 1954
Mechanism of the Reaction of Diethyl Phosphorochloridite with Acrylic Acid – T. Kh. Gazizov, M. A. Vasyanina, A. P. Pashinkin, N. P. Anoshina, Z. I. Gol'dfarb, and A. N. Pudovik 1973 1957
Addition of Secondary Phosphine Oxides and Sulfides to Acrylic and Methacrylic Derivatives – A. N. Pudovik and T. M. Sudakova..... 1978 1962
Addition of (1-Hydroxyalkyl)phosphonic Esters to Unsaturated Compounds – A. N. Pudovik, M. G. Zimin, and A. M. Kurguzova 1981 1964
Reactions of Some Phosphorus Dithio Acids with Tin Tetrahalides – A. A. Muratova, I. Ya. Kuramshin, É. G. Yarkova, and A. N. Pudovik..... 1984 1967
Reactions of Diethyl Phosphorisocyanatidite with Aldehydes – R. I. Tarasova, N. M. Kislitsyna, and A. N. Pudovik 1989 1972
Reaction of Diethyl Phosphorisocyanatidite with Ethyl Pyruvate – A. N. Pudovik, I. V. Gur'yanova, and V. P. Kakurina..... 1993 1976
Reactions of Alkylene Alkyl Phosphites and Alkylene Phosphoramidites with α-Oxo Carboxylic Esters – A. N. Pudovik, I. V. Gur'yanova, L. A. Burnaeva, and É. Kh. Karimullina 1995 1978
Δ^4-1,3,4,2-Thiadiazaphospholine 2-Sulfides – T. L. Italinskaya, N. I. Shvetsov-Shilovskii, A. I. Khludova, and N. N. Mel'nikov..... 1998 1980

Reactions of Phosphoramidothioic O-Esters with Acrylic Esters — N. N. Mel'nikov, T. P. Krylova, and I. L. Vladimirova 2002 1984
Bis(trialkylsilyl)hypophosphites — M. G. Voronkov, L. Z. Marmur, O. N. Dolgov, V. A. Pestunovich, E. I. Pokrovskii, and Yu. I. Popel 2005 1987
Arenesulfonic Esters. Synthesis and Some Properties of (Dialkoxyphosphinyl)methyl Arenesulfonates — R. V. Vizgert and M. P. Voloshin 2009 1991
Iodination and Chlorination of O,O-Dialkyl and O,O-Diphenyl Hydrogen Phosphorodiselenoates — R. D. Gorak and N. I. Zemlyanskii 2012 1994
Alkylthionophosphine Sulfides. XII. Reactions of Alkylthionophosphine Sulfides with Organomagnesium Compounds — O. N. Grishina, L. M. Kosova, and S. M. Klyuchanskaya 2014 1995

Volume 41, Number 9, Part 2 September, 1971

α-Nitrosation of Phosphonium Salts: New Method for the Preparation of Nitriles — M. I. Shevchuk, E. M. Volynskaya, and A. V. Dombrovskii 2019 1999
2-(Alkylsulfonyl)- and 2-(Arylsulfonyl)-hydrazides of Phosphoramidothioic Acids — M. V. Kornoukhova, V. I. Lomakina, and Ya. A. Mandel'baum 2024 2004
Alkoxy Compounds. XLIV. Synthesis of Some 2-Amino-5-(1-methoxyalkyl)-1,3,2-dioxaphosphorinane 2-Oxides — T. D. Butova, A. A. Kolesnik, and A. V. Bogat-skii 2028 2008
Use of Alkylene and Dialkyl Phenylphosphoramidites in Reactions of the Todd-Atherton Type — É. E. Nifant'ev, G. F. Bebikh, and T. P. Sakodynskaya 2032 2011
Possible Mechanism of the Reaction of Tertiary Arsine Sulfides with Alkyl Halides — G. Kh. Kamai, B. D. Chernokal'skii, and I. B. Levenshtein 2036 2015
Effect of β-Substituents on the π-Complex-Forming Power of RCOCH=CHX — M. I. Rybinskaya, L. V. Rybin, N. T. Gubenko, and A. N. Nesmeyanov 2041 2020
Molecular Refraction of the m-Carborane Nucleus — L. P. Dorofeenko, Yu. A. Yuzhelevskii, and A. L. Klebanskii 2046 2025
Synthesis and Some Reactions of Substituted o-Carboranylphenylphosphinous Chlorides and Bis-o-carboranylphosphinous Chlorides — A. V. Kazantsev, M. N. Zhubekova, and L. I. Zakharkin 2047 2027
Synthesis of Some Functional Derivatives of p-Barene — V. I. Stanko and Yu. V. Gol'tyapin 2053 2033
Organoboron Compounds. CCXXXVII. Method for the Preparation of 1,4-Dienic Compounds from Allylboranes and Vinyl Ethers — B. M. Mikhailov and Yu. N. Bubnov 2059 2039
Reactions of Diethylzinc and Diethylcadmium with Polychloromethanes — V. I. Shcherbakov, R. F. Galiullina, Yu. N. Krasnov, and V. N. Pankratova .. 2063 2043
Initiated Decarboxylation of Mercuric Methylcyclohexanecarboxylates. Synthesis of cis- and trans-4-Methylcyclohexylmercury Salts — Yu. A. Ol'dekop, N. A. Maier, and Yu. D. But'ko 2067 2047
Hydrosilylation of Acetylenic α-Glycols in Presence of Speier's Catalyst — K. I. Cherkezishvili, R. I. Kublashvili, and I. M. Gverdtsiteli 2071 2051
Aryltrihalo-silanes and -germanes. σ Constants of Trihalosilyl and Trihalogermyl Groups — N. V. Kondratenko, G. P. Syrova, V. I. Popov, Yu. N. Sheinker, and L. M. Yagupol'skii 2075 2056
Hydrosilylation and Hydrogermylation of 5-Methoxy-3-methyl-1-pentyn-3-ol — I. M. Gverdtsiteli and E. S. Gelashvili 2080 2061

Derivatives of 6-Methyl-2-thiouracil. III. Hydrogen Bonds in 2-(Hydroxyalkylthio)pyrimidines – I. P. Lipatova, V. S. Reznik, N. G. Pashkurov, and S. A. Samartseva 2086 2067
Radiolysis of Aqueous Solutions of Some Organic Monophosphates – N. K. Kochetkov, L. I. Kudryashov, M. A. Chlenov, and L. P. Grineva 2091 2071
Selective N-Acetylation of 2'-Deoxycytidine 5'-Phosphate – É. A. Pyaivinen and N. S. Tikhomirova-Sidorova 2096 2076
Synthesis of Dialkyl [(1-Aryl-3-methyl-5-oxo-2-pyrazolin-4-yl)naphthylmethyl]-phosphonates – B. P. Lugovkin 2099 2079
Peculiar Features of the Hydrolysis of O-Phosphoserine [Serine O-(Dihydrogen Phosphate)] Methyl Ester – S. M. Avaeva and V. A. Sklyankina 2101 2081
Mass-Spectrometric Determination of the Amino Acid Sequence in Peptides. Structure of Alamethicin – Yu. A. Ovchinnikov, A. A. Kiryushkin, and I. V. Kozhevnikova .. 2105 2085
Nucleotides; Coenzymes, Phosphoric Esters. XXV. Synthesis of P^1-(Nicotinamide-N-β-D-ribofuranoside-5')-P^2-(ribo-so-5)diphosphate and P^1-(Nicotinamide-N-β-D-ribofuranoside-5')-P^2-(glucoso-6)diphosphate – L. M. Mel'nikova and V. N. Berezovskii 2117 2099

LETTERS TO THE EDITOR

Composition of Speier's Platinum Catalyst – M. G. Voronkov, V. B. Pukhnarevich, S. P. Sushchinskaya, L. I. Kopylova, and B. A. Trofimov 2120 2102
Reactions of Alkoxyalkylmercurys and Alkoxydialkylthalliums with Diethylamine – S. F. Zhil'tsov and V. M. Kashin 2121 2103
Preparation of Complexes of Copper Hydride with Tervalent Phosphorus Compounds – I. G. Malykhina, M. A. Kazankova, and I. F. Lutsenko 2122 2103
New Type of Reactions of Phosphorodiamidous Acids – É. E. Nifant'ev and I. V. Shilov.... 2124 2104
Reactions of Butyl and Isobutyl Cyanates with Phosphorus Pentachloride – N. K. Kulibaba, V. I. Shevchenko, and A. V. Kirsanov 2125 2105
Reactions of Phosphorylated Acetaldehydes with P-Allylphosphonous Diamides – A. I. Razumov, B. G. Liorber, M. P. Sokolov, and T. V. Zykova 2126 2106
Dialkyl [(Dialkylamino)methylene]phosphoramidates – N. I. Gusar', Zh. M. Ivanova, V. P. Kukhar', and A. V. Kirsanov 2128 2107
Synthesis of Uridylyl(5'→O)-N-benzoyl-L-tyrosine Methyl Ester – B. A. Yuodka and S. I. Sasnauskene 2129 2108
Hydrolytic and Synthetic Activity of Guanylic Ribonuclease of Actinomycetes in Frozen Solutions – N. S. Tikhomirova-Sidorova, G. E. Ustyuzhanin, T. N. Kalacheva, and V. I. Kalugina 2130 2108
New Method for the Aminoacylation of Nucleosides – V. N. Nezavibat'ko, L. N. Nikolenko, and M. N. Semenova 2132 2109
O-(Benzyloxycarbonylglycyl)-4-pyridinaldoxime – P. Ya. Romanovskii, V. É. Muizhnieks, and G. I. Chipens 2133 2110
Reactions of Dialkyl Trialkylgermyl Phosphites with Unsaturated Compounds – Z. S. Novikova, S. N. Mashoshina, and I. F. Lutsenko 2134 2110

SUMMARIES OF DEPOSITED ARTICLES

Unsaturated Phosphorodithioic Esters. VI. S-Acyl O,O-Dialkenyl and O,O-Dialkynyl Phosphorodithioates – Ya. I. Mel'nik and N. I. Zemlyanskii ... 2136 2111
Spectral Investigation of the Photochromism of Derivatives of 4,4'-Diamino-2,2'-stilbenedisulfonic Acid (I) – V. A. Barachevskii, V. F. Mandzhikov, G. E. Samoilova, E. I. Ermolaeva, and I. V. Aleksandrov 2137 2112
Synthesis of Unsymmetrical Alkylphosphonic Diesters – I. N. Faizullin, É. M. Shagiakhmetov, D. A. Faizullina, D. I. Nabieva, and E. V. Kuznetsov 2138 2112

Engl./Russ.

Volume 41, Number 10, Part 1 October, 1971

Salt Formation of α-Sulfo Carboxylic Acids. I. Reaction of 2-Sulfopalmitic Acid with Barium Ions – I. S. Akhmetzhanov, Yu. A. Nesterenko, Yu. M. Volkov, and Ya. I. Perel' 2139 2113

Reaction of Molecular Nitrogen with the System Chromium(VI)–Zinc–Hydrochloric Acid – D. V. Sokol'skii, Ya. A. Dorfman, Yu. M. Shindler, and G. D. Protopopova 2142 2116

Complex Formation of Di- and Tri-Methylamines with Copper – A. P. Sakharov 2145 2119

Layer Formation in Extraction Systems Containing Methylenediantipyrine. III. Phase Equilibria in the System Chloroform–Benzene–Methylenediantipyrine Dinitrate–Methylenediantipyrine Hexanitratozirconate – T. P. Yakovleva, V. P. Zhivopistsev, B. I. Petrov, and K. I. Mochalov 2147 2121

Interaction of t-Butyl Alcohol with Trichloroacetic Acid – I. L. Krupatkin and E. P. Rozhentsova 2151 2126

Determination of the Molecular Mass of the Ternary Layer-Forming System Nitromethane–Ethylene Glycol–Dodecyl Alcohol by the Cryoscopy Method – E. F. Zhuravlev, I. K. Zhuravleva, and Z. Z. Khisametdinova 2152 2127

Physicochemical Properties of the System Polyphosphoric Acid–Acetamide–Water – P. M. Bugai and V. P. Slyn'ko 2156 2130

Investigation of the Complexes of Iron, Cobalt, and Manganese with 2,2'-Bipyridine in Dimethylformamide by Means of Oscillographic Polarography – G. K. Budnikov, T. N. Kozitsyna, and V. A. Mikhailov 2158 2132

Polarographic Investigation of Some 3-Phosphorylated 2-Methylacroleins – G. K. Budnikov, T. V. Kalinina, N. A. Koren', and V. V. Kormachev..... 2164 2138

Oscillopolarographic Investigation of Some Biogenic Amines – G. K. Budnikov, T. N. Kozitsyna, and V. A. Mikhailov 2167 2142

[(Arylglyoxyloyl)methyl]triphenylphosphonium Bromides and [(Arylglyoxyloyl)methylene]triphenylphosphoranes – M. I. Shevchuk, M. V. Khalaturnik, and A. V. Dombrovskii 2172 2146

Phosphorylated 2,2-Dichloropropionamides and 2,3-Dichloro-2-methylpropionamides – V. P. Rudavskii and V. I. Kondratenko 2176 2151

Dichloro(dichlorophosphinyl)methyl Isocyanate – V. V. Doroshenko, V. A. Stukalo, V. A. Shokol, and B. N. Kozhushko 2180 2155

Reactions of Diethylphosphinous Chloride with Ketones – S. Kh. Nurtdinov, R. S. Khairullin, T. V. Zykova, V. S. Tsivunin, and G. Kh. Kamai 2183 2158

Arbuzov Isomerization of Cyclic Phosphites Containing Seven- and Eight-Membered Rings – L. V. Verizhnikov, O. V. Voskresenskaya, V. Kh. Kadyrova, P. A. Kirpichnikov, and É. T. Mukmenov 2187 2162

Reactivity and Structure of Phosphorylated Carbonyl Compounds. VIII. NMR and IR Spectra of (Alkoxyarylphosphinyl)acetaldehydes – A. I. Razumov, G. A. Savicheva, T. V. Zykova, M. P. Sokolov, G. G. Smirnova, B. G. Liorber, and R. A. Salakhutdinov 2189 2164

Reactions of Phosphorochloridous Esters with 1-Alkoxyethyl Acetates – M. B. Gazizov, D. B. Sultanova, L. P. Ostanina, T. V. Zykova, R. A. Salakhutdinov, and A. I. Razumov 2192 2167

γ-Initiated Synthesis of (2-Chloroalkyl)phosphonous Dichlorides – P. A. Zagorets, A. G. Shostenko, and A. M. Dodonov 2195 2171

Reactions of Alkyl Hydrogen Dialkylphosphoramidites with Aldehydes and Ketones – N. A. Il'ina, I. N. Yuldasheva, and E. P. Trutneva 2198 2173

Reactions of 1,3,2-Oxazaphospholidines with Glycols – A. N. Pudovik, M. A. Pudovik, and S. A. Terent'eva 2202 2177

Reactions of 1,3,2-Oxazaphospholidines with Chloral – A. N. Pudovik, M. A. Pudovik, and L. K. Ivanova..... 2205 2180

Reactions of Diphosphorus Pentasulfide with Thiols – G. F. Belous, I. V. Murav'ev, and N. I. Zemlyanskii 2209 2184
Thiophene Derivatives Containing Silicon and Phosphorus – E. A. Chernyshev, E. F. Bugerenko, and A. S. Petukhova 2211 2186
Organophosphorus Heterocyclic Compounds. II. Synthesis and Reactions of 6-Chloro- and 6-(2-Biphenylyloxy)-6H-dibenzo[1,2]oxaphosphorin 6-Oxides – E. A. Chernyshev, V. I. Aksenov, and E. F. Bugerenko..... 2214 2189
Phenolysis of Phosphoramidous Esters – É. E. Nifant'ev and N. L. Ivanova..... 2217 2192
1,2-O-Isopropylideneglycerol 3-Ethyleneamidophosphites [1,2-O-Isopropylidene-3-O-1,3,2-oxazaphospholidin-2-ylglycerols] – D. A. Predvoditelev, G. A. Podzhunas, and É. E. Nifant'ev 2220 2195
Mercaptomethyl Phosphorus Derivatives – N. V. Ivasyuk and I. M. Shermergorn..... 2224 2199
Organophosphorus Compounds Containing a 1-Hydroxyalkyl and a Chloromethyl Group – N. I. D'yakonova, É. Kh. Mukhametzyanova, and I. M. Shermergorn 2228 2203
One-Electron Mechanism of the Reactions of Trialkyl Phosphites with Substituted Cyclohexadienones and Phenoxyl Radicals – N. N. Kalibabchuk, A. M. Golubenkova, and V. D. Pokhodenko 2230 2205
Phosphorylation of 10-(2,3-Epoxypropyl)phenothiazine – Zh. Beishekeev, K. Dzhundubaev, A. Aldasheva, R. I. Kozhakhmetova, and T. Toktobekova 2233 2207
Synthesis of Some Phosphorous Esters Containing a Trichloromethyl Group – A. M. Kuliev, G. A. Zeinalova, A. B. Kuliev, and Sh. A. Ragimova..... 2235 2209
Intramolecular Electronic Interaction between the Chlorine Atom and Silicon, Germanium, and Tin Atoms in Molecules of the Series $RR'R''MCH_2Cl$ ("α-Effect") According to Data of NQR Radiospectroscopy – M. G. Voronkov, V. P. Feshin, V. F. Mironov, S. A. Mikhailyants, and T. K. Gar 2237 2211
Nitrogen-Containing Organosilicon Compounds. XXX. Relative Basicities of Some Organosilicon Amines – É. Lukevits, M. G. Voronkov, E. E. Shestakov, and A. E. Pestunovich 2243 2218
Effect of Organosilicon Substituents on the Properties of a Triple Bond – R. A. Bogatkin, O. V. Sverdlova, and V. A. Gindin 2245 2220
Synthesis of Heterocyclic Compounds with Several Silicon Atoms in the Ring – V. F. Mironov, A. A. Buyakov, and T. K. Gar 2249 2223

Volume 41, Number 10, Part 2 October, 1971

Synthesis and Reactions of Unsaturated Organosilicon Compounds. LXXIV. Synthesis and Reactions of Acetaldehyde Di-2-propynyl Acetal – S. A. Rzaeva, M. A. Guseinova, I. A. Shikhiev, and F. A. Mamedov..... 2253 2227
Unsaturated Stanna Hydrocarbons. XXIV. Synthesis and Chemical Properties of Diacetylenic Stanna Hydrocarbons – V. S. Zavgorodnii, A. I. Maleeva, and A. A. Petrov 2256 2230
Unsaturated Stanna Hydrocarbons. XXV. Application of the Method of Nuclear Gamma Resonance to the Investigation of the Electronic Effects of Substituents in the Case of Carbofunctionally Substituted Stannylacetylenes – V. S. Zavgorodnii, B. I. Rogozev, É. S. Sivenkov, A. A. Petrov, and L. M. Krizhanskii..... 2263 2237
Unsaturated Stanna Hydrocarbons. XXVI. Correlation of the Dipole Moments of Acetylenic Compounds with σ Constants for the Case of Functionally Substituted Stannylacetylenes – V. S. Zavgorodnii, B. I. Rogozev, É. S. Sivenkov, K. S. Mingaleva, and A. A. Petrov 2267 2241
Synthesis of Germa Lactones – V. F. Mironov, M. V. Chelidze, T. K. Gar, and I. M. Gverdtsiteli..... 2271 2245

	Engl.	Russ.
Organoaluminum and Organotitanium Peroxides. Study of Their Thermal Decomposition – Yu. N. Anisimov and S. S. Ivanchev	2274	2248
Initiated Decarboxylation of Mercuric Cyclopropanecarboxylate and Cycloheptanecarboxylate. Synthesis of Cyclopropyl- and Cycloheptyl-Halomercurys – Yu. A. Ol'dekop, N. A. Maier, and Yu. D. But'ko	2279	2253
Mechanism of the Catalysis of Sulfonamide Formation by Tertiary Amines in a Polar Solvent – V. A. Shat-skaya, V. A. Savelova, and L. M. Litvinenko	2282	2256
Complexes of Platinum(II) with Aromatic Amines. II. Complexes with p- and m-Nitroanilines – T. O. Blyumental', M. I. Gel'fman, and V. V. Razumovskii	2290	2265
Interaction of 8-Quinolinol, Quinoline, and 1-Naphthol with Certain Amines in Benzene – N. T. Zadorozhnaya and M. N. Tsarevskaya	2293	2267
Effect of Organic Acids and Bases on the Polarographic Characteristics of Anthraquinone in Nonaqueous Solvents – L. Ya. Kheifets and L. I. Dmitrievskaya	2297	2271
Substances Allied to Mevalonic Acid. VI. 3-Benzyl-3-hydroxy-2-phenylvaleric and 3-Benzyl-3-hydroxyvaleric Acids – L. A. Petrova, N. N. Bel'tsova, G. A. Tsvetkova, and A. I. Klimov	2301	2276
Complex Compounds of Niobium Pentachloride with Azoles – L. V. Surpina, A. D. Garnovskii, Yu. V. Kolodyazhnyi, and O. A. Osipov	2304	2279
Electron Transfer in Reactions of Nitroso Compounds. XIV. Polarographic Investigation of Polyfluoronitrosoalkanes – V. A. Ginsburg, V. V. Smolyanitskaya, A. N. Medvedev, V. S. Faermark, and A. P. Tomilov	2309	2284
Electrophilic Protodedeuteration of Mono-, Di-, and Tri-Phenylthiophenes – E. N. Zvyagintseva, V. É. Udre, M. G. Voronkov, and A. I. Shatenshtein	2314	2289
Synthesis of Diacetyldeuteroporphyrin IX Dimethyl Ester – V. N. Luzgina, E. I. Filippovich, and R. P. Evstigneeva	2319	2294
Radiation Chemistry of Carbohydrates. XV. Role of Radiolysis Products of Water in the Decomposition of Lactose in Aqueous Solutions – L. I. Kudryashov, S. M. Yarovaya, É. I. Bortsova, and V. A. Sharpatyi	2323	2298
Alloxazines and Isoalloxazines. XXIX. Protonation of Riboflavine and Some Alloxazines – T. P. Fetisova, I. L. Volodarskii, V. Z. Mel'nikov, S. F. Dymova, Zh. K. Torosyan, I. M. Kustanovich, and V. M. Berezovskii	2329	2305
Synthesis of N-Carbamoylated Fragments of [5-Valine]angiotensin II – A. P. Pavar, G. Ya. Avotynya, Yu. I. Indulen, Z. P. Auna, and G. I. Chipens	2335	2312
Chromatographic Method for the Analysis of Potassium Arabonate – G. P. Tikhomirova and G. G. Belous	2339	2317
Conformation States of Cyclopeptide Systems. II. Synthesis of Cyclohexapeptides Containing L- and D-Alanine and Glycine Residues – V. T. Ivanov, V. V. Shilin, Ya. Bernat, and Yu. A. Ovchinnikov	2341	2318
Synthesis and Properties of N-Glucosylphenethylamines – N. S. Volodarskaya, V. I. Mamonov, V. I. Svergun, and V. G. Yashunskii	2350	2328
Synthesis of Peptide Fragments Entering into the Composition of Cytochrome c – G. A. Vasil'eva, A. F. Mironov, Yu. A. Shtyleva, and R. P. Evstigneeva	2354	2332
LETTERS TO THE EDITOR		
Acidity and Tautomerism of β-Keto Phosphonium Salts. Enolization of (α-Acetylphenacyl)triphenylphosphonium Chloride – T. A. Mastryukova, V. Rubashevskaya, I. M. Aladzheva, and M. I. Kabachnik	2358	2336
New Type of Charge-Transfer Complex Based on Hypodiphosphorous Esters – Yu. P. Popov, I. V. Komlev, and É. E. Nifant'ev	2360	2337
Reactions of 1,3,2-Dioxaphospholanes with N-Chloroacetimidic Esters – P. P. Kirpichev, R. K. Bal'chenko, Yu. L. Kruglyak, and I. V. Martynov	2361	2338

Reactions of Oxime Esters of Dialkyl Hydrogen Phosphites with gem-Chloronitroso- and gem-Chloronitro-Alkanes – Yu. L. Kruglyak, M. A. Landau, G. A. Leibovskaya, I. V. Martynov, and L. I. Saltykova 2362 2338
Rearrangement of N-Substituted 2-(Trialkylsilyl)acetamides – N. I. Savel'eva, A. S. Kostyuk, Yu. I. Baukov, and I. F. Lutsenko 2363 2339
Reactions of Compounds with an Si–N–C–X System of Bonds. Synthesis of Dimethyl 2,2,5,5-Tetramethyl-2,5-disilapiperazine-1,4-dicarboxylate – V. D. Sheludyakov, E. S. Rodionov, G. D. Khatuntsev, and V. F. Mironov 2365 2340
Anthracene Analogs of Phthalocyanine – V. N. Kopranenkov and E. A. Luk'yanets. 2366 2341
Segmentary Fixation of a Growing Peptide Chain on the Carrier in the Course of Solid-Phase Synthesis – G. P. Mishin and Yu. P. Shvachkin 2367 2341

Volume 41, Number 11, Part 1 November, 1971

Properties of Aqueous Calcium Nitrate Solutions at High Temperatures – T. S. Kuratova and G. A. Ivashina. 2369 2345
Complex Formation in the Copper(II)–Ephedrine System – A. A. Medvedovskii and Yu. Ya. Fialkov 2372 2348
X-Radiometric Method for the Determination of Iron and Manganese in Organometallic Compounds – I. S. Panidi, L. P. Starchik, I. V. Yakovlev, T. A. Sokolinskaya, I. D. Vlasova, G. O. Saikin, Ya. M. Paushkin, and T. P. Vishnyakova 2376 2351
Reactions of Phosphorus Imidic Esters with Phosphorylating Agents and with Chlorotrimethylsilane – V. A. Gilyarov, N. A. Tikhonina, and M. I. Kabachnik 2380 2355
Synthesis of S-ω-(Ethylthio)alkyl Diphenylphosphinothioates and Their Methiodides – N. N. Godovikov, N. A. Kardanov, and M. I. Kabachnik 2382 2357
(Dialkylphosphinyl)acetic Acids – R. A. Malevannaya, E. N. Tsvetkov, and M. I. Kabachnik 2385 2359
Reactions of Neutral Carbohydrate Phosphites and Phosphoramidites with Diethyl Mesoxalate – M. P. Koroteev and É. E. Nifant'ev 2390 2364
Synthesis of Trimethylene Hydrogen Phosphites – É. E. Nifant'ev, I. S. Nasonovskii, and A. A. Borisenko 2394 2368
Reactions of Phosphorous Triamides and Phosphoramidous Diesters with Benzaldehyde – É. E. Nifant'ev and I. V. Shilov 2398 2372
"Hexaalkyliodobiphosphonium Pentaiodides – N. G. Feshchenko, I. K. Mazepa, S. I. Zhila, and A. V. Kirsanov 2401 2375
Alkyl N"-Acyl-N,N,N',N'-tetramethylphosphorodiamidimidates and Dialkyl N'-Acyl-N,N-dimethylphosphoramidimidates – V. A. Shokol, L. I. Molyavko, and G. I. Derkach 2405 2379
Diisocyanates of Thio Acids of Phosphorus – V. A. Shokol, L. I. Molyavko, A. G. Matyusha, N. K. Mikhailyuchenko, and G. I. Derkach 2407 2380
Compounds Derived from Phosphorisocyanatidic Dichloride and Phosphorodiisocyanatidic Chloride – E. I. Slyusarenko, S. K. Mikhailik, V. F. Gamaleya, and V. A. Shokol 2410 2383
(Phosphoranylideneamino)-s-triazines. VI. Phosphorus-Containing Compounds Derived from Diamino(halomethyl)-s-triazines – L. A. Lazukina, N. G. Kotlyar, V. P. Kukhar', and S. N. Solodushenkov 2413 2386
Phosphorylation of (1-Aminoalkylidene)malononitriles – P. P. Kornuta, A. I. Kalenskaya, and V. I. Shevchenko 2416 2390

Phosphorylation of Cyanamides – I. M. Kosinskaya, A. M. Pinchuk, and V. I. Shevchenko 2422 2396
Phosphorylated 2,3-Dichloro- and 2,2,3-Trichloro-Propionamides – V. P. Rudavskii and V. I. Kondratenko 2425 2398
Phosphonic, Phosphinic, Phosphonous, and Phosphinous Derivatives. LXXXI. Reactions of Ethyl Diethylphosphinothioite and Diethyl Ethylphosphonodithioite with Chloroacetic Esters – A. I. Razumov, E. A. Krasil'nikova, N. A. Moskva, T. V. Zykova, and L. A. Chemodanova 2429 2402
Reactions of 1,3,2-Oxazaphospholidines with Alcohols and Thiols – A. N. Pudovik, M. A. Pudovik, S. A. Terent'eva, and V. E. Bel'skii 2434 2407
Reactions of Phosphorous Esters with Phenylglyoxal and with Ethyl 2,3-Dioxobutyrate – A. N. Pudovik, I. V. Konovalova, and L. A. Burnaeva 2439 2413
Reactions of Tetraethyl Pyrophosphite with Halogens, Acetyl Chloride, and Acrylic Acid – T. Kh. Gazizov, A. P. Pashinkin, and A. N. Pudovik 2443 2418
1,3-Dipolar Addition of N-Phenylsydnone to 1-Propynylphosphonic Esters, O,O-Diethyl 1-Propynylphosphonothioate, and Diphenyl-1-propynylphosphine Oxide – A. N. Pudovik, N. G. Khusainova, and T. I. Frolova 2446 2420
Phosphorus-Containing Heterocycles. Kinetic Study of the Reactions of Some Phosphorous Derivatives with Isoprene – L. I. Zubtsova, N. A. Razumova, and T. V. Yakovleva 2450 2425
Phosphorus-Containing Heterocycles. Condensation of Some Aliphatic Phosphorohalidous Esters with 1,3-Alkadienes – L. I. Zubtsova, N. A. Razumova, and A. A. Petrov 2453 2428
Dipole Moments of Tervalent Phosphorus Derivatives Containing a 1,3,2-Dioxaphospholane Ring – K. S. Mingaleva, N. A. Razumova, A. A. Petrov, Zh. L. Evtikhov, and F. V. Bagrov 2456 2431
Reactions of (Cyanomethyl)phosphonium Salts with 2-Alkoxyvinyl and 4-Alkoxybutadienyl Derivatives of Heterocyclic Bases – A. V. Kazymov, É. B. Sumskaya, K. M. Kirillova, and E. P. Shchelkina 2459 2434
Bipiperidines. X. Reactions of Pyridylpiperidines with Dialkyl Phosphorochloridates – Yu. N. Forostyan, E. I. Efimova, E. P. Kukhta, and I. I. Soroka 2463 2438
Reactions of Chloroalkyl Esters of Phosphorus Acids with Sodium Pyrimidinolates – V. S. Reznik and N. G. Pashkurov 2466 2441
Transesterification of O,O-Dialkyl Hydrogen Phosphorodiselenoates and Reactions of Their Salts with Hydrogen Chloride – N. I. Zemlyanskii and R. D. Gorak ... 2471 2446
Phosphorous Derivatives. VIII. Reactions of Dialkyl Trialkylsilyl Phosphites with Aldehydes and Ketones – L. V. Nesterov, N. E. Krepysheva, R. A. Sabirova, and G. N. Romanova 2474 2449
Organoselenium Compounds. I. New Method for the Synthesis of Selenides – I. I. Lapkin, N. V. Bogoslovskii, and N. I. Zenkova 2478 2452
Reactions of p-Phenylenebis[bromomagnesium] with (Fluoroalkyl)- and (Fluoroaryl)-chlorosilanes – G. V. Odabashyan, I. V. Romashkin, and L. E. Pashchenko 2480 2454
Reactions of Enol Trihaloacetates with Alkoxy and Dialkylamino Derivatives of Group IVB Elements – N. M. Semenenko, V. L. Foss, and I. F. Lutsenko 2484 2458

Volume 41, Number 11, Part 2 November, 1971

Polyfluoroaromatic Silicon Derivatives. VI. Synthesis of Bis[(dimethylsilyl)tetrafluorophenyl] Ethers – Yu. A. Yuzhelevskii, E. G. Kagan, N. B. Zaitsev, and A. V. Kharlamova 2489 2463

Synthesis of N^{α},N^{ω}-Bis(trimethylsilyl) Derivatives of Alkane- and Aza-, Diaza-, and Triaza-alkane-α,ω-diamines – G. S. Gol'din, L. S. Baturina, A. G. Kucher, and O. I. Trubnikova 2492 2465
Reactions of Esters with Tetraethoxy- and Triethoxy-silanes – Z. V. Belyakova, M. G. Pomerantseva, and S. A. Golubtsov 2495 2468
Chemical Transformations of Compounds Obtained from (Alkenyloxy)diorganosilanes by the Hydrosilylation Reaction – V. F. Mironov, V. L. Kozlikov, V. P. Kozyukov, N. S. Fedotov, G. D. Khatuntsev, and V. D. Sheludyakov 2497 2470
Halogenation of Aromatic Silanes. XXVII. Preparation of Chloro and Bromo Derivatives of Trichloro-m-methylbenzyl- and Trichloro-p-methylbenzyl-silanes – G. V. Motsarev, V. I. Kolbasov, V. R. Rozenberg, V. T. Inshakova, R. V. Dzhagatspanyan, and A. D. Snegova 2503 2475
Bromination and Iodination of Diethynyldimethylsilane – N. V. Komarov, O. G. Yarosh, N. I. Shergina, and M. A. Kuznetsova 2510 2483
Reactions of Alkylphosphonous Dichlorides with Carboxylic Acid Chlorides – S. Kh. Nurtdinov, N. M. Ismagilova, T. V. Zykova, R. A. Salakhutdinov, V. S. Tsivunin, and G. Kh. Kamai 2513 2486
Rare-Earth Glyceroborates – D. V. Pakhomova, V. N. Kumok, and V. V. Serebrennikov 2517 2490
Reactions of Organoaluminum Compounds with Anhydrides and Peroxides – L. P. Stepovik 2521 2493
Kinetics of the Catalytic Heterogeneous Hydrolysis of Hydride Organosilanes – V. P. Mileshkevich, A. A. Ignat'ev, and A. V. Karlin 2526 2498
Organoboron Compounds. CXLII. (Acylamino)dialkylboranes – V. A. Dorokhov, L. I. Lavrinovich, I. P. Yakovlev, and B. M. Mikhailov 2529 2501
Unusual Features of the Reaction of Chlorodiethylaluminum with Ethyl Chloride – P. E. Matkovskii, L. N. Russiyan, L. S. Salakatova, A. I. Vol'pert, Kh.-M. A. Brikenshtein, and N. M. Chirkov 2535 2507
Correlations in the Alkoxymercuration of Cinnamic Acid and Its Derivatives – A. P. Kreshkov, L. N. Balyatinskaya, S. M. Chesnokova, and T. V. Kurchenko 2541 2513
Radical Exchange in Organometallic Compounds. XIII. Exchange Reactions between Substituted Phenyllithiums and Bromobenzene in Diethyl Ether – A. P. Batalov, A. A. Kvasov, G. A. Rostokin, and I. A. Korshunov 2545 2517
Acid–Base Properties of Some Substituted 3-Pyridinols in Nitromethane – K. M. Dyumaev, B. A. Korolev, and R. E. Lokhov 2548 2520
Study of the Association of Phenol in a Number of Electron-Donor Solvents by the PMR Method – L. K. Vasyanina, Yu. S. Bogachev, N. N. Shapet'ko, and T. L. Alekseeva 2551 2523
Determination of Dissociation Constants of Weak Acids at High Values of Ionic Strength from Data of pH-Potentiometric Titration – V. I. Gordienko, Yu. I. Mikhailyuk, and L. P. Khudyakova 2553 2525
"Sulfur-Trioxidation" of Sulfurous Esters – V. M. Pavlov, N. N. Bogdanov, and G. A. Sokol'skii 2559 2530
Spectroscopic Investigation of Complexes of Dissolved Oxygen with Some Organic Molecules – N. K. Naumenko, N. N. Mukhin, N. V. Shinkarenko, and V. B. Aleskovskii 2562 2533
Substituted Hydrazides of Hydroxy Carboxylic Acids. LXXIX. Complexes of Arylhydrazides of Diaryl- and Dialkyl-glycolic Acids with $SnBr_4$ – I. S. Berdinskii, L. V. Kazakova, R. M. Degat', and V. P. Sergeev 2565 2536
Polarographic Reduction of Carbonium Ions. VI. Some Purine Derivatives – Z. N. Timofeeva, A. V. Lizogub, Kh. L. Muravich-Aleksandr, and A. V. El'tsov, ... 2568 2539

Synthesis and Absorption Spectra of Bisquaternary Salts Derived from 1-Arylquinolinium Salts – I. N. Chernyuk, V. V. Shelest, G. T. Pilyugin, and I. K. Ushenko 2575 2546
Phthalocyanines and Related Compounds. VII. Tetra-2,3-benzo[g]-quinoxalinoporphyrazines – M. G. Gal'pern and E. A. Luk'yanets 2579 2549
Reactions of 1,1'-[Polymethylenebis[imino(1-oxoethylene)]]dipyridinium Chlorides with Nitroso Compounds – Yu. V. Svetkin, N. A. Akmanova, and D. Ya. Mukhametova 2582 2553
Preparation of Chitosan and Study of Its Fractional Composition – L. A. Nud'ga, E. A. Plisko, and S. N. Danilov 2585 2555
Synthesis of 2-Fluoro-β-alanyl-L-histidine, a Fluorinated Analog of Carnosine – A. S. Danilova, V. Ya. Lunts, and V. F. Martynov 2589 2559
Stability of Complexes of Hemin with Protected Histidine-Containing Peptides – V. P. Chernyshev, E. I. Filippovich, and R. P. Evstigneeva 2592 2561
Synthesis of Fragments of the β-Chain of Human Hemoglobin. IV. Synthesis of the Tridecapeptide Corresponding to the 57-69 Sequence – V. P. Chernyshev, S. A. Riskal', G. A. Zhiglova, E. I. Filippovich, and R. P. Evstigneeva 2596 2565
Alcoholysis of Pyrimidine Nucleoside 2',3'-Cyclophosphates with Purine Nucleosides in Frozen Solutions in Presence of Pancreatic Ribonuclease – N. S. Tikhomirova-Sidorova, É. M. Kogan, V. A. Sysoev, and G. E. Ustyuzhanin 2600 2570

LETERS TO THE EDITOR

Reactions of Phosphorochloridous Esters with α-Halo Ethers – M. B. Gazizov, D. B. Sultanova, A. I. Razumov, L. P. Ostanina, and A. M. Rusalkina 2606 2575
Phosphonomethylation with (Dialkoxyphosphinyl)methyl Arenesulfonates – R. V. Vizgert, and M. P. Voloshin 2607 2576
Electronic Influence of the Acceptor on the Rotational Isomers of Some Organophosphorus Ligands – É. G. Yarkova, A. A. Musina, V. P. Plekhov, A. A. Muratova, and A. N. Pudovik 2608 2576
Phosphorylation of Tertiary Alcohols with Phosphorus Pentachloride – V. V. Moskva, L. A. Bashirova, and A. I. Razumov 2609 2577
Synthesis of 1-Allylborolane – B. M. Mikhailov and K. L. Cherkasova 2610 2578
1,3,5-Trinitrobenzene Complex Dimeric Dianion ("Paired Complex") – I. M. Sosonkin, A. Ya. Kaminskii, S. S. Gitis, V. A. Subbotin, and Yu. D. Grudtsyn 2611 2579
Reactions of Halogen Derivatives of Ethylene with Thionyl and Sulfuryl Chlorides – B. M. Gladshtein, I. P. Kulyulin, and L. Z. Soborovskii 2613 2580
Synthesis of a Diacetylenic 14-Membered Cyclic Organosilicon Acetal: 2,2,4,4,9,14,14-Heptamethyl-1,3,8,10-tetraoxa-2-silacyclotetradeca-5,12-diyne – I. A. Shikhiev, S. A. Rzaeva, and M. A. Guseinova 2614 2580
Removal of Tosyl Protection by Electrochemical Reduction in Dimethylformamide – V. G. Mairanovskii and N. F. Loginova 2615 2581

Volume 41, Number 12, Part 1 December, 1971

Thermochemistry of Aqueous Solutions. X. Aqueous Solutions of Potassium Iodate at 25 and 50° – L. P. Masal'skaya, E. I. Akhumov, K. P. Mishchenko, and G. M. Poltoratskii 2617 2585
Application of the Method of Relative Partial Molal Enthalpies to the System $H_2O-CH_3CN-NaI$ – M. F. Stennikova, G. M. Poltoratskii, and K. P. Mishchenko 2620 2588

Interdependence of Oxidation-Reduction Processes and the pH of the Reaction Medium. Oxidation of Phosphite with Periodate – V. P. Tolstikov 2624 2591
Magnetic Susceptibility of Iron(III) Chelates of o-Aminophenol and Its Derivatives – V. V. Zelentsov, K. M. Suvorova, and E. V. Ivanov 2627 2595
Formation of Polythionates of Organic Bases – V. V. Smolyaninov 2629 2596
Derivatives of (Phenethylimino)diacetic Acid and Their Complexes with Alkaline-Earth Metals – I. D. Kiseleva, L. I. Tikhonova, L. I. Ivanova, and V. G. Yashunskii 2632 2599
Physicochemical Properties of Aliphatic Dicarboxylic Acids. I. Solubility of Adipic Acid in 30% HNO_3 Solution in Presence of Succinic and Glutaric Acids – Yu. L. Vysotskii, P. M. Zaitsev, I. Ya. Lubyanitskii, and L. E. Semikina 2636 2603
Complex Compounds of Tervalent Vanadium with Some Organic Bases – S. Ya. Shnaiderman and G. N. Prokof'eva 2641 2608
Electric Conductivities of Potassium and Sodium Tetrahydroborates in Dimethylformamide, Nitromethane, and Butyl Alcohol – K. N. Mochalov, V. P. Barabanov, V. M. Tsentovskii, and N. A. Tumasheva .. 2645 2612
Deuterium Kinetic Isotopic Effect in Sulfonamide-Formation Reactions – L. M. Litvinenko, N. T. Maleeva, V. A. Savelova, and T. D. Kovach 2648 2615
Reactions of Salts of Dialkyl Hydrogen Phosphorothioates and Phosphorodithioates with 2-Chloroethanol – A. L. Itskova, P. G. Zaks, and Ya. A. Mandel'baum 2651 2618
Reactions of Diethyl Trimethylsilyl Phosphite with Carbonyl Compounds – Z. S. Novikova, S. N. Mashoshina, T. A. Sapozhnikova, and I. F. Lutsenko 2655 2622
Reactions Leading to the Synthesis of Bis(perfluoroalkyl)- and Alkyl- and Aryl-(perfluoroalkyl)-phosphazenes – V. N. Prons, M. P. Grinblat, A. L. Klebanskii, and N. B. Zaitsev 2661 2629
Some Reactions of Bis-2-chloroethyl Methylphosphonite – I. A. Rogacheva and E. L. Gefter 2666 2634
Cyclotriphosphazatriene Derivatives. II. Reactions of Phosphazatriene Chlorides with Hydrogen Sulfide – Boleslav Yanik and Vladimir Zheshutko 2668 2635
PMR Spectra of Alkenylphosphines and Alkenylphosphonous Derivatives – V. V. Kosovtsev, T. N. Timofeeva, B. I. Ionin, and V. N. Chistokletov 2671 2638
1,3-Dipolar Addition to Unsaturated Compounds. XXVII. Reactions of Alkenylphosphines with Nitrilimines – V. V. Kosovtsev, V. N. Chistokletov, and A. A. Petrov 2676 2643
1,3-Dipolar Addition to Unsaturated Compounds. XXVIII. Reactions of Alkenylphosphonous Esters with Nitrilimines – V. V. Kosovtsev, V. N. Chistokletov, and A. A. Petrov 2682 2649
Some Phosphorus-Containing Thiouronium Derivatives – L. I. Mizrakh, V. G. Yakovlev, E. M. Yukhno, V. I. Mamonov, and V. I. Svergun 2687 2654
Reactions of Some Chlorides of a Tetracoordinated Phosphorus Atom with Grignard Reagents – B. V. Timokhin, E. F. Grechkin, A. V. Kalabina, V. V. Dorokhova, G. V. Ratovskii, and N. A. Sukhorukova 2691 2658
Synthesis of Some Aldo-Enols and Peculiar Features of Their Enolization – S. T. Ioffe, E. I. Goryunov, T. V. Ershova, P. V. Petrovskii, and M. I. Kabachnik 2697 2664
(Phosphoranylideneamino)-s-triazines. V. Kinetics of the Reactions of Azido-s-triazines with Tervalent Phosphorus Compounds – S. N. Solodushenkov, M. I. Bukovskii, and V. P. Kukhar' 2701 2668
1-Aziridinyl Derivatives of Phosphorylated Amidines – L. D. Protsenko and V. P. Rudavskii 2704 2671

Phosphorylation of Hydroxy Carboxylic Acids. IV. Extraction of Iron(III) Complexes of Phosphorylated α-Hydroxy Carboxylic Acids with Isopentyl Alcohol from an HNO_3–$NaNO_3$ Medium – V. F. Toropova, A. Kh. Miftakhova, I. V. Gur'yanova, M. G. Zimin, and A. N. Pudovik 2706 2673
Reactions of 1,3,2-Oxazaphospholidines with Acyl Halides – A. N. Pudovik, M. A. Pudovik, and L. K. Ivanova 2710 2677
Transsilylation of O,O,O-Tris(trialkylsilyl) Phosphorothioates with Trialkylsilanes and Trialkylchlorosilanes – N. F. Orlov and M. A. Belokrinitskii 2713 2680
Synthesis of Some Orthosilicic Esters – A. M. Kuliev, G. A. Zeinalova, A. B. Kuliev, Sh. A. Ragimova, and T. Z. Nurieva 2716 2682
Organometallic Methods for the Synthesis of 3,3'-Silylenedi-1-propanols – G. S. Smirnova, D. N. Andreev, and E. A. Belinkina 2718 2684
Synthesis of Alkali-Metal and Group V Onium Tetrahydrogallates – L. I. Zakharkin, V. V. Gavrilenko, and Yu. N. Karaksin 2722 2689

Volume 41, Number 12, Part 2 December, 1971

Synthesis and Investigation of the ^{19}FNMR Spectra of 1-(Fluoromethyl)-o-carboranes and 2-Substituted 1-(Fluoromethyl)-o-carboranes – L. I. Zakharkin, B. A. Kvasov, and V. N. Lebedev 2727 2694
Organoboron Compounds. CCXLI. Spectroscopic Investigation of Acyloxy Boron Compounds in Solution – P. P. Shorygin, B. V. Lopatin, O. G. Boldyreva, V. S. Bogdanov, V. A. Dorokhov, and B. M. Mikhailov 2731 2697
Organoboron Compounds. CCXLV. Cyclic Complex of (Acetimidoylamino)-dipropylborane with Aminodipropylborane – V. A. Dorokhov and B. M. Mikhailov 2736 2702
Reactions of Phosphorus Trichloride with Tertiary Arsine Sulfides – G. M. Usacheva and G. Kh. Kamai 2739 2705
Halogen Exchange between Organic and Organomercury Halides – O. A. Reutov, V. D. Makhaev, É. V. Uglova, and V. S. Petrosyan 2744 2710
Synthesis and Structure of Aromatic and Heterocyclic Tellurium Compounds II. Synthesis of Some New Aryltrichlorotelluriums and Diaryl Ditellurides – I. D. Sadekov, L. M. Sayapina, A. Ya. Bushkov, and V. I. Minkin 2747 2713
Some Reactions of Dicyclopentadienyl Compounds of Vanadium – G. A. Razuvaev, V. N. Latyaeva, A. N. Lineva, and N. N. Spiridonova 2752 2718
Thermal Decomposition of Some Bis[2-(acyloxy)ethyl] Peroxydicarbonates in Chlorobenzene and Ethylene Diacetate – G. A. Razuvaev, V. A. Fomin, V. R. Likhterov, and V. S. Étlis 2758 2724
Synthesis of o- and p-Selenylbenzaldehydes and Ni^{2+} and Zn^{2+} Internal-Complex Compounds of Alkyl- and Aryl-Imines of o-Selenylbenzaldehyde – L. E. Nivorozhkin, V. P. Kurbatov, L. S. Minkina, M. S. Korobov, L. P. Olekhnovich, O. A. Osipov, and V. I. Minkin 2761 2726
Structure of Complexes of Cobalt Diphenylglyoximates with Sulfanilamides – V. N. Shafranskii and I. L. Fusu 2763 2728
Quinocarbocyanines with Alkyl Groups in the Polymethine Chromophore. Evaluation of Steric and Electronic Effects – G. T. Pilyugin, O. E. Petrenko, and R. F. Stadniichuk 2766 2731
Phthalocyanines and Related Compounds. IX. Synthesis and Electronic Absorption Spectra of Tetra-4-t-butylphthalocyanines – S. A. Mikhalenko, S. V. Barkanova, O. L. Lebedev, and E. A. Luk'yanets 2770 2735

	Engl./Russ.
Factors Determining the Ortho Effect in Halophenols — S. M. Petrov and V. S. Pilyugin	2774 2740
Anomalous Course of the Oxidative Cyclization of Biladienes with Unsubstituted β-Positions — M. A. Kulish, A. F. Mironov, B. V. Rozynov, and R. P. Evstigneeva	2778 2743
Derivatives of Asymmetrically Substituted myo-Inositol. IX. Methods for the Synthesis of Phosphoinositides. Synthesis of myo-Inositol 1-(2,3-Bisstearoyloxypropyl Hydrogen Phosphate) — A. I. Lyutik, V. N. Krylova, S. P. Kozlova, B. A. Klyashchitskii, V. I. Shvets, R. P. Evstigneeva, and E. S. Zhdanovich	2782 2747
Monosaccharides. XXV. Synthesis of D-glycero-L-galacto- and D-glycero-L-ido-Heptoses from D-Xylose — B. A. Dmitriev, A. Ya. Chernyak, and N. K. Kochetkov	2788 2754
Synthesis of Polysaccharides. IV. Synthesis of Branched Glucans from Cellulose — A. F. Bochkov, T. A. Sokolovskaya, and N. K. Kochetkov	2794 2761
Sugar Ortho Esters. V. Nuclear Magnetic Resonance Spectra and Conformation of Tricyclic α-D-Xylopyranose Ortho Esters — A. F. Bochkov, V. M. Dashunin, A. V. Kessenikh, V. A. Korenevskii, N. K. Kochetkov, A. D. Naumov, I. V. Obruchnikov, and E. P. Prokof'ev	2803 2770
Sugar Ortho Esters. VI. Synthesis of Tricyclic α-D-Glucopyranose 1,2,4-Orthobenzoate and Its Derivatives — A. F. Bochkov, V. I. Snyatkova, Ya. V. Voznyi, and N. K. Kochetkov	2808 2776
Amino Acids and Peptides. IX. N-(Pentafluorobenzoyl) Amino Acids — O. A. Kaurov, V. Yu. Sadilkina, M. P. Smirnova, L. E. Deev, and G. P. Tataurov	2815 2783
Amino Acid and Peptide Derivatives of (Aminoalkyl)indoles. VI. Synthesis of Cysteine-Containing Amino Acid and Peptide Derivatives of 5-Methoxytryptamine and 5-Hydroxytryptamine — L. A. Davankova, A. D. Neklyudov, L. A. Shchukina, and N. N. Suvorov	2818 2786
Synthesis of Depsipeptide Analogs of Norophthalmic Acid — V. I. Gorbunov, A. L. Zhuze, and L. A. Shchukina	2823 2792
Synthesis of Depsipeptide Analogs of Ophthalmic Acid — V. I. Gorbunov, A. L. Zhuze, and L. A. Shchukina	2828 2797
Reaction of Vitamin B_{12}s with 2'-Bromo-2'-deoxyuridine — V. I. Borodulina-Shvets, I. P. Rudakova, and A. M. Yurkevich	2832 2801
LETTERS TO THE EDITOR	
Alkylation of Diiododiphenyldiphosphine with Diiodoalkanes — N. Ya. Derkach, I. M. Kononenko, and A. V. Kirsanov	2836 2806
Ionization Constants of (Dialkylphosphino)benzoic Acids — I. G. Malakhova, E. N. Tsvetkov, D. I. Lobanov, and M. I. Kabachnik	2837 2807
Study of the Protonation of Phosphine Oxides with the Aid of ^1H and ^{31}P NMR — N. K. Skvortsov, A. V. Dogadina, G. F. Tereshchenko, N. V. Morkovin, B. I. Ionin, and A. A. Petrov	2839 2807
Chemical Shifts in the ^{31}P NMR Spectra of N,N'-, N,O-, and S,S'-Alkylene Derivatives of Phosphorochloridous Diamide, Phosphoramidochloridous Acid, and Phosphorochloridodithious Acid Respectively — É. E. Nifant'ev, A. A. Borisenko, A. I. Zavalishina, D. A. Predvoditelev, I. V. Komlev, and S. F. Sorokina	2841 2808
Reactions of Acetyl Diethyl Phosphite with Thiols — T. Kh. Gazizov, A. P. Pashinkin, A. A. Martynov, and A. N. Pudovik	2842 2809
ERRATA	2842

INDEX

Author Index, Volume 41, Numbers 1-12, 1971 2845
Tables of Contents, Volume 41, Numbers 1-12, 1971 2857